



Water and Wastewater Engineering (Mechanical Engineering)

By Mackenzie L Davis

[Download now](#)

[Read Online](#) 

Water and Wastewater Engineering (Mechanical Engineering) By
Mackenzie L Davis

An In-Depth Guide to Water and Wastewater Engineering

This authoritative volume offers comprehensive coverage of the design and construction of municipal water and wastewater facilities. The book addresses water treatment in detail, following the flow of water through the unit processes and coagulation, flocculation, softening, sedimentation, filtration, disinfection, and residuals management. Each stage of wastewater treatment--preliminary, secondary, and tertiary--is examined along with residuals management.

Water and Wastewater Engineering contains more than 100 example problems, 500 end-of-chapter problems, and 300 illustrations. Safety issues and operation and maintenance procedures are also discussed in this definitive resource.

Coverage includes:

- Intake structures and wells
- Chemical handling and storage
- Coagulation and flocculation
- Lime-soda and ion exchange softening
- Reverse osmosis and nanofiltration
- Sedimentation
- Granular and membrane filtration
- Disinfection and fluoridation
- Removal of specific constituents
- Drinking water plant residuals management, process selection, and integration
- Storage and distribution systems
- Wastewater collection and treatment design considerations
- Sanitary sewer design
- Headworks and preliminary treatment
- Primary treatment
- Wastewater microbiology
- Secondary treatment by suspended and attached growth biological processes
- Secondary settling, disinfection, and postaeration

- Tertiary treatment
- Wastewater plant residuals management
- Clean water plant process selection and integration

 [Download Water and Wastewater Engineering \(Mechanical Engin ...pdf](#)

 [Read Online Water and Wastewater Engineering \(Mechanical Eng ...pdf](#)

Water and Wastewater Engineering (Mechanical Engineering)

By Mackenzie L Davis

Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis

An In-Depth Guide to Water and Wastewater Engineering

This authoritative volume offers comprehensive coverage of the design and construction of municipal water and wastewater facilities. The book addresses water treatment in detail, following the flow of water through the unit processes and coagulation, flocculation, softening, sedimentation, filtration, disinfection, and residuals management. Each stage of wastewater treatment--preliminary, secondary, and tertiary--is examined along with residuals management.

Water and Wastewater Engineering contains more than 100 example problems, 500 end-of-chapter problems, and 300 illustrations. Safety issues and operation and maintenance procedures are also discussed in this definitive resource.

Coverage includes:

- Intake structures and wells
- Chemical handling and storage
- Coagulation and flocculation
- Lime-soda and ion exchange softening
- Reverse osmosis and nanofiltration
- Sedimentation
- Granular and membrane filtration
- Disinfection and fluoridation
- Removal of specific constituents
- Drinking water plant residuals management, process selection, and integration
- Storage and distribution systems
- Wastewater collection and treatment design considerations
- Sanitary sewer design
- Headworks and preliminary treatment
- Primary treatment
- Wastewater microbiology
- Secondary treatment by suspended and attached growth biological processes
- Secondary settling, disinfection, and postaeration
- Tertiary treatment
- Wastewater plant residuals management
- Clean water plant process selection and integration

Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis Bibliography

- Rank: #1097707 in eBooks
- Published on: 2010-04-05

- Released on: 2010-04-05
- Format: Kindle eBook



[**Download** Water and Wastewater Engineering \(Mechanical Engin ...pdf](#)



[**Read Online** Water and Wastewater Engineering \(Mechanical Engin ...pdf](#)

Download and Read Free Online Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis

Editorial Review

About the Author

Mackenzie L. Davis, Ph.D., P.E., DEE, is Emeritus Professor of Environmental Engineering in the Department of Civil and Environmental Engineering at Michigan State University where, for twenty years, he taught the senior-level design course, Water and Wastewater Treatment Plant Design. Dr. Davis is the author Introduction to Environmental Engineering, Fourth Edition (McGraw-Hill, 2006).

Users Review

From reader reviews:

Nancy Tandy:

What do you concerning book? It is not important with you? Or just adding material when you want something to explain what the one you have problem? How about your free time? Or are you busy person? If you don't have spare time to do others business, it is gives you the sense of being bored faster. And you have free time? What did you do? Everybody has many questions above. They need to answer that question mainly because just their can do that will. It said that about publication. Book is familiar in each person. Yes, it is proper. Because start from on pre-school until university need this specific Water and Wastewater Engineering (Mechanical Engineering) to read.

Connie Pauls:

Information is provisions for folks to get better life, information today can get by anyone in everywhere. The information can be a knowledge or any news even a problem. What people must be consider if those information which is inside former life are difficult to be find than now could be taking seriously which one works to believe or which one typically the resource are convinced. If you find the unstable resource then you get it as your main information you will see huge disadvantage for you. All of those possibilities will not happen with you if you take Water and Wastewater Engineering (Mechanical Engineering) as the daily resource information.

Robert Thompson:

This book untitled Water and Wastewater Engineering (Mechanical Engineering) to be one of several books in which best seller in this year, that's because when you read this reserve you can get a lot of benefit into it. You will easily to buy this particular book in the book retail outlet or you can order it by way of online. The publisher of this book sells the e-book too. It makes you more readily to read this book, as you can read this book in your Cell phone. So there is no reason for you to past this publication from your list.

Helen Christopher:

Do you have something that you like such as book? The e-book lovers usually prefer to choose book like comic, small story and the biggest some may be novel. Now, why not striving Water and Wastewater Engineering (Mechanical Engineering) that give your pleasure preference will be satisfied by means of reading this book. Reading behavior all over the world can be said as the opportunity for people to know world better then how they react in the direction of the world. It can't be claimed constantly that reading behavior only for the geeky person but for all of you who wants to be success person. So , for all of you who want to start reading through as your good habit, you may pick Water and Wastewater Engineering (Mechanical Engineering) become your personal starter.

Download and Read Online Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis #U4ZTWQ7DX5I

Read Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis for online ebook

Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis books to read online.

Online Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis ebook PDF download

Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis Doc

Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis Mobipocket

Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis EPub

U4ZTWQ7DX5I: Water and Wastewater Engineering (Mechanical Engineering) By Mackenzie L Davis