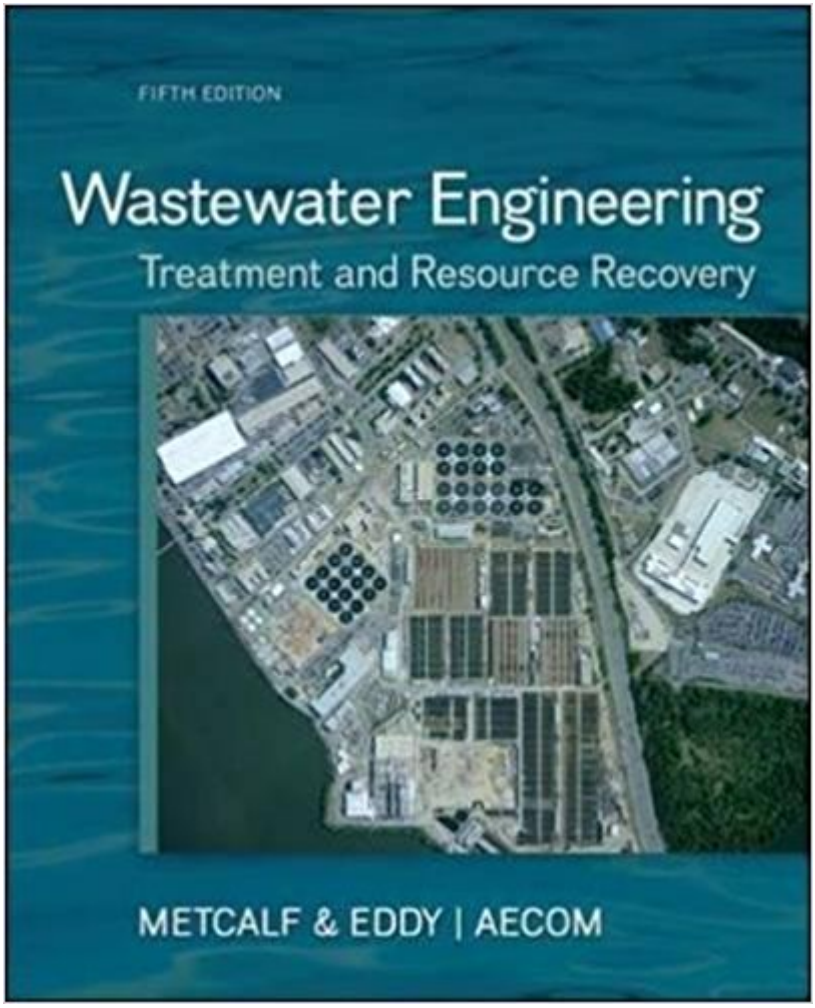
Wastewater Engineering: Treatment And Resource Recovery (Civil Engineering)



Synopsis

Wastewater Engineering: Treatment and Resource Recovery, 5/e is a thorough update of McGraw-Hill's authoritative book on wastewater treatment. No environmental engineering professional or civil or environmental engineering major should be without a copy of this book - describing the rapidly evolving field of wastewater engineering technological and regulatory changes that have occurred over the last ten years in this discipline, including: a new view of a wastewater as a source of energy, nutrients and potable water; more stringent discharge requirements related to nitrogen and phosphorus; enhanced understanding of the fundamental microbiology and physiology of the microorganisms responsible for the removel of nitrogen and phosphorus and other constituents; an appreciation of the importance of the separate treatment of return flows with respect to meeting more stringent standards for nitrogen removal and opportunities for nutrient recovery; increased emphasis on the treatment of sludge and the management of biosolids; increased awareness of carbon footprints impacts and greenhouse gas emissions, and an emphasis on the development of energy neutral or energy positive wastewater plants through more efficient use of chemical and heat energy in wastewater. This revision contains a strong focus on advanced wastewater treatment technologies and stresses the reuse aspects of wastewater and biosolids.

Book Information

Series: Civil Engineering
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Average Customer Review: 4.3 out of 5 stars 14 customer reviews
Best Sellers Rank: #37,105 in Books (See Top 100 in Books) #3 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste Management #10 inÂ Books > Textbooks > Engineering > Environmental Engineering #41 inÂ Books > Textbooks > Engineering > Civil Engineering

Customer Reviews

1994McGraw-Hill authors represent the leading experts in their fields and are dedicated to improving the lives, careers, and interests of readers worldwide

This is the best and most comprehensive wastewater treatment text in the field. Prof. Tchobanoglous has done an excellent job of improving this text edition by edition. The subjects are technically accurate and up to date; the descriptions are good; the tables, figures, and example problems are well selected and relate well and easily to the text. The formatting is very well done which results in a text that is easy to relate to and one in which material is easy to find. With his dedication and perseverance in continuing to update this text over the years, Professor Tchobanoglous has become the best textbook author in our field.I would hesitate to use this text for undergraduate courses. (It costs too much and covers only wastewater treatment. Most undergraduate courses in the field cover water treatment and wastewater treatment in one course. This text it too comprehensive for undergraduate courses, and especially when coupled with a water treatment text, the cost is too high to require of undergraduates.) However, it would be my first choice for graduate courses. And as a practitioner it would be (and is) the wastewater text that I absolutely would not be without as a desk side reference.My only complaint about the book is its increase in size with each edition. Considering its hefty weight, should consider listing it as a body building product in addition to an engineering text. :)

I am a mechanical engineer and have been doing engineering work for 46 years. I had an earlier version of this book, which I used for many years, but I lost it between jobs. I always wanted to purchase another copy, but had no real need until recently. This book was immediately helpful. It showed me how to calculate pressure drop across a sand filter. This book is directed mainly at biological water treatment, however, any engineer who has to do water treatment design work will find this book invaluable.John P. DeBaise

Even If you are a complete beginer or you are an expert, this book is a must have if you are into waste water treatment. It is such a good reference as well as a very complete learning source. I must admit this new edition has a few error in the editing (ortogtaphy, charts, tables and graphics references from one chapter to another), but nothing that should impair its value... Im very happy with this purchase!!!

The book contents exceeded my expectations. A must have for graduate students. This book plus

the environmental engineers handbook are excellent companions for biological treatment process design.

Very well structured. Summarizes well the existing knowledge. Very good for teaching. But not very good for application for practical projects, because information stops at certain level.

Excellent reference for the PE Environmental Engineering exam

Great for every professional in the water sector

INTERNATIONAL**

Including Advice On Post ... And Vaginitis Treatment, Cure And Recovery) Fundamentals of Utility Management: Wastewater Treatment Operator Training Manual Industrial Wastewater Treatment: A Guidebook