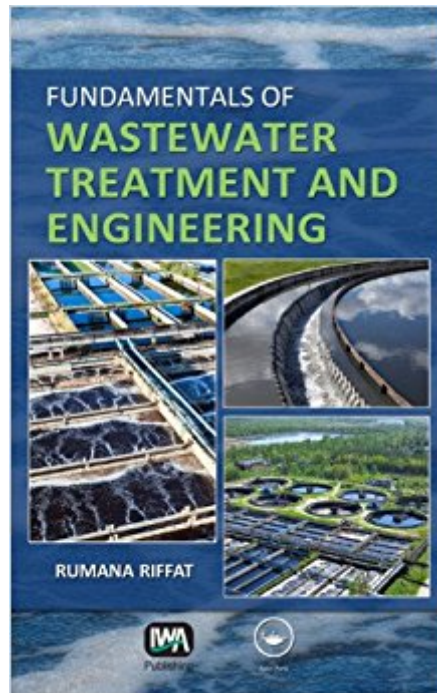


The book was found

# Fundamentals Of Wastewater Treatment And Engineering



## Synopsis

As the world's population has increased, sources of clean water have decreased, shifting the focus toward pollution reduction and control. Disposal of wastes and wastewater without treatment is no longer an option. *Fundamentals of Wastewater Treatment and Engineering* introduces readers to the essential concepts of wastewater treatment, as well as the engineering design of unit processes for the sustainable treatment of municipal wastewater. Filling the need for a textbook focused on wastewater, it first covers history, current practices, emerging concerns, and pertinent regulations and then examines the basic principles of reaction kinetics, reactor design, and environmental microbiology, along with natural purification processes. The text also details the design of unit processes for primary, secondary, and advanced treatment as well as solids processing and removal. Using detailed calculations, it discusses energy production from wastewater. Comprehensive and accessible, the book addresses each design concept with the help of an underlying theory, followed by a mathematical model or formulation. Worked-out problems demonstrate how the mathematical formulations are applied in design. Throughout, the text incorporates recent advances in treatment technologies. Based on a course taught by the author for the past 18 years, the book is designed for undergraduate and graduate students who have some knowledge of environmental chemistry and fluid mechanics. Readers will get a strong grounding in the principles and learn how to design the unit processes used in municipal wastewater treatment operations. Professionals in the wastewater industry will also find this a handy reference.

## Book Information

Hardcover: 359 pages

Publisher: CRC Press (August 20, 2012)

Language: English

ISBN-10: 0415669588

ISBN-13: 978-0415669580

Product Dimensions: 6.2 x 1 x 9.2 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #1,046,091 in Books (See Top 100 in Books) #217 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste Management](#) #259 in [Books > Science & Math > Nature & Ecology > Water Supply & Land Use](#) #342 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Water](#)

Quality & Treatment

## Customer Reviews

It is very easy to read and very well organized chapters. I would recommend to read this book at the beginning of the Waste Water Treatment and Engineering

Good examples, clearly and concisely written. Very accessible.

Most exciting book on sewage treatment I ever read. LOL

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

Spellman's Standard Handbook for Wastewater Operators: Fundamentals, Volume I (Spellman's Standard Handbook for Wastewater Operators Series) Fundamentals of Wastewater Treatment and Engineering Wastewater Engineering: Treatment and Reuse Wastewater Engineering: Treatment and Resource Recovery Wastewater Engineering: Treatment Disposal Reuse Biological Wastewater Treatment, Second Edition, Revised and Expanded (Lecture Notes in Pure and Applied Mathematics) Handbook of Water and Wastewater Treatment Technologies Design and Retrofit of Wastewater Treatment Plants for Biological Nutrient Removal, Volume V Handbook of Water and Wastewater Treatment Plant Operations Wastewater Treatment Plant Operations Made Easy: A Practical Guide for Licensure Operation of Municipal Wastewater Treatment Plants (3-Volume Set) Industrial Wastewater Treatment: A Guidebook Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) The Comprehensive Hair Loss Guide: Hair Loss Treatment and Cure for Men and Women (Hair Loss Treatment for Women, Hair Loss Treatment for Men, Hair Loss ... Loss Remedies, Hair Loss Cure, Alopecia) Hair: Hair Loss: Learn About Hair Loss Prevention Methods and Regrowth Treatment: Hair Loss Cure: Hair Loss (Men's Health, Hair Loss Treatment, Regrow ... Loss Treatment for Woman, Hair Loss Cure) Alzheimer's Disease: Dominate Alzheimer's Sickness With Nutrition Treatment, Brain-Healthy Lifestyle and Herbal Treatment (Alzheimer's Disease Complete ... Nutrition Treatment, Elder Care Handbook) Brain Cancer Treatment - How to Beat Brain Cancer And Get Your Life Back (Brain Cancer, Tumor, Brain Cancer Treatment, Natural Treatment) Fundamentals of Nursing: Human Health and Function (Craven, Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs) Standard Methods for the Examination of Water and Wastewater Water and Wastewater Technology (7th Edition)

[Dmca](#)