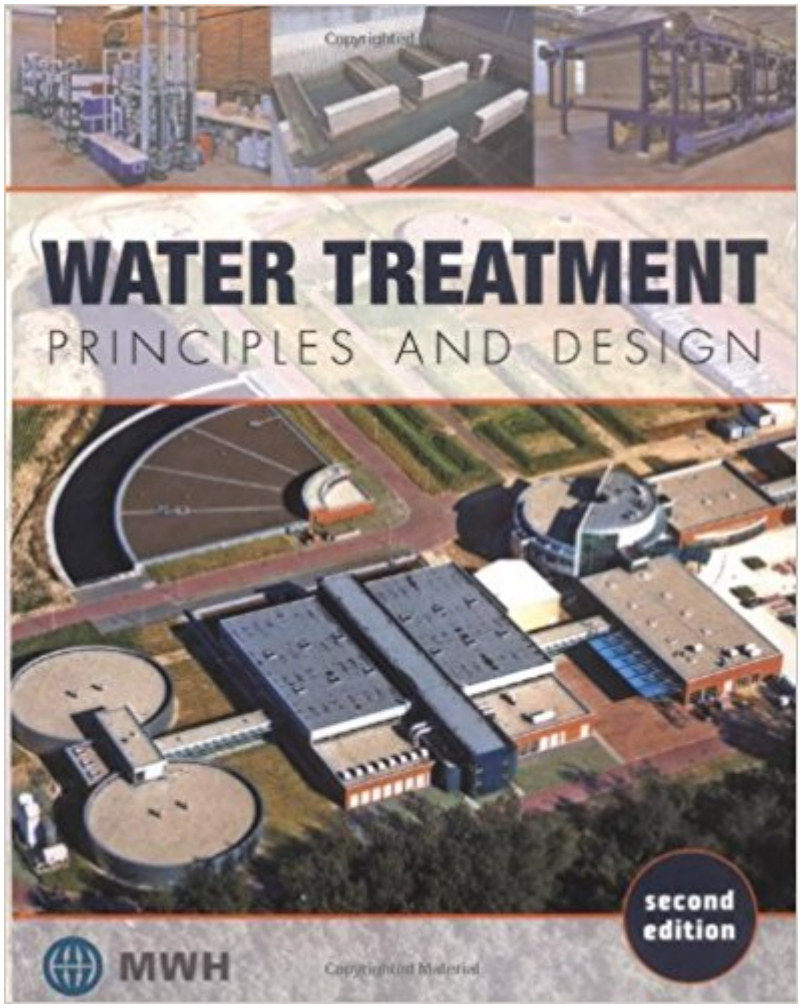
Water Treatment: Principles And Design



Synopsis

The one-stop resource for all aspects of water treatment engineering-from theory to practice Completely revised and updated to address current practices and technologies, Water Treatment: Principles and Design, Second Edition provides unique coverage of both the principles and theory of water treatment, as well as the practical considerations of plant design and distribution. Written by the world's leading water engineering firm, Water Treatment: Principles and Design, Second Edition presents the breadth of water treatment engineering-from the theory and principles of water chemistry and microbiology to in-depth discussions of revolutionary treatment processes to concise tips for plant and network design. Material has been extensively updated and revised in response to regulatory requirements and growing public awareness, particularly in the areas of disinfection, membrane filtration, disposal of treatment plant residuals, and basic microbiology with an emphasis on human pathogens and diseases. Water Treatment: Principles and Design, Second Edition provides an essential textbook for students and a reliable resource for environmental and water resources engineers.

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Customer Reviews

â œâ |undoubtedly contains a great deal of information relevant to in-depth study of processesâ |â • (The Chemical Engineer, February 2006)

Environmental Engineering/Water Resources The one-stop resource for all aspects of water

treatment engineering—from theory to practice Completely revised and updated to address current practices and technologies, Water Treatment: Principles and Design, Second Edition provides unique coverage of both the principles and theory of water treatment, as well as the practical considerations of plant design and distribution. Written by the world's leading water engineering firm, Water Treatment: Principles and Design, Second Edition presents the breadth of water treatment engineering—from the theory and principles of water chemistry and microbiology to in-depth discussions of revolutionary treatment processes to concise tips for plant and network design. Material has been extensively updated and revised in response to regulatory requirements and growing public awareness, particularly in the areas of disinfection, membrane filtration, disposal of treatment plant residuals, and basic microbiology with an emphasis on human pathogens and diseases. Water Treatment: Principles and Design, Second Edition provides an essential textbook for students and a reliable resource for environmental and water resources engineers. MWH is a global leader in providing knowledge-driven services. With more than $1 billion in revenue, its 6,500 specialists in more than thirty-six countries provide premier solutions to municipalities, government agencies, multinational companies, industrial concerns, and military organizations worldwide. From Boston to Beijing, Melbourne to Mexico City, clients rely on MWH to optimize their operations' overall performances, forecast future needs, address regulatory concerns, satisfy diverse stakeholders, manage complex programs, and achieve maximum benefits from capital investments.

You will often read that this is an excellent source. For creditability - I have a BS in Env. Engineering and am a candidate for a MS in Env. Engineering. If you are a graduate student in environmental/water resources engineering, this is a must have reference. Well written, quite a few example calculations, good information well conveyed with illustrations whenever applicable. This book will give you most information, very detailed on most, if not all water treatment topics. You can tell, I really like this book - mainly because without it, I would have had a much harder time in my unit processes/operations of water treatment course. As for real world application, I imagine it to be just as good. Afterall, it is written by well acknowledged, credited, experienced, and accepted professionals. Cheers.

The authors have taken a sound, but old text and added significant updates. The material is technically accurate; it has good depth of coverage; the formatting makes subjects easy to follow and specific information easy to locate; and the tables and figures are outstanding. It is well

organized. The historical perspectives that occur in a number of chapters provide an dimension of knowledge that adds perspective to the technical coverage. I am a practicing professional environmental engineer and also teach environmental engineering design at Georgia Tech. I have made extensive use of this text as a reference in both capacities. Every water/wastewater treatment professional's library should include a copy of this text.

Huge text, but good. I still have it after working at a firm doing operations and maintenance. I enjoy taking a quick peak once in a while... recommend for professionals and students of Water Resources and Treatment.Don't be intimidated by it's size - use the topics that work for you.

Used at all major educational and research institutions. Belongs on every Water Treatment Engineer's desk. Extensive coverage on all areas, but does not cover wastewater. This field distinguishes between wastewater treatment, which is the treatment of water that has been used residentially, commercially and industrially so that it can be properly reintroduced to the water cycle, and water treatment, which is the process of treating water before it is considered potable for consumption. For wastewater, see the classic Metcalf and Eddy text.

This book is everything you need for Water Treatment. It covers everything. I would recommend buying it for Water Treatment classes even if your class doesn't require it because you will use it your entire career.

An excellent resource for the seasoned water treater, environmental/civil engineer or anyone charged with the design or operation of water treatment plants. Not recommended for the novice.

Will provide you hours of entertainment, whether you are a biologist, environmental scientist, environmental engineer, or mathematician. A must have, along with the Metcalf and Eddy "Wastewater Engineering" tome.

I like it

Recipes for Weight Loss, Health and Detox Cleanse (Vitamin Water, Fruit Infused Water, Natural Herbal Remedies, Detox Diet, Liver Cleanse) Water Quality & Treatment: A Handbook on Drinking Water (Water Resources and Environmental Engineering Series) The Definitive Guide To Well Water Treatment: Effective Treatment for Problem Well Water MWH's Water Treatment: Principles and Design Water Treatment: Principles and Design Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Country and Cottage Water Systems: A Complete Out-of-the-City Guide to On-Site Water and Sewage Systems, Including Pumps, Plumbing, Water Purification and Alternative Toilets Water Is Water: A Book About the Water Cycle Water! Water! Water! Water Distribution, Grades 3 & 4WSO: AWWA Water System Operations WSO (Awwa's Water System Operations) Water for Food Water for Life: A Comprehensive Assessment of Water Management in Agriculture Water, Water Everywhere, What & Why? : Third Grade Science Books Series: 3rd Grade Water Books for Kids (Children's Earth Sciences Books) Water Operator Certification Study Guide: A Guide to Preparing for Water Treatment and Distribution Operator Certification Exams Hepatitis C Symptoms, Treatment and Cure: Survivor's true story of 12 week treatment and cure (Hepatitis C Symptoms Treatment and Cure Series) Water Treatment Grade 1 WSO: AWWA Water System Operations WSO Water Treatment WSO Student Workbook: Water Supply Operations 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) Membrane Bioreactor Processes: Principles and Applications (Advances in Water and Wastewater Transport and Treatment)