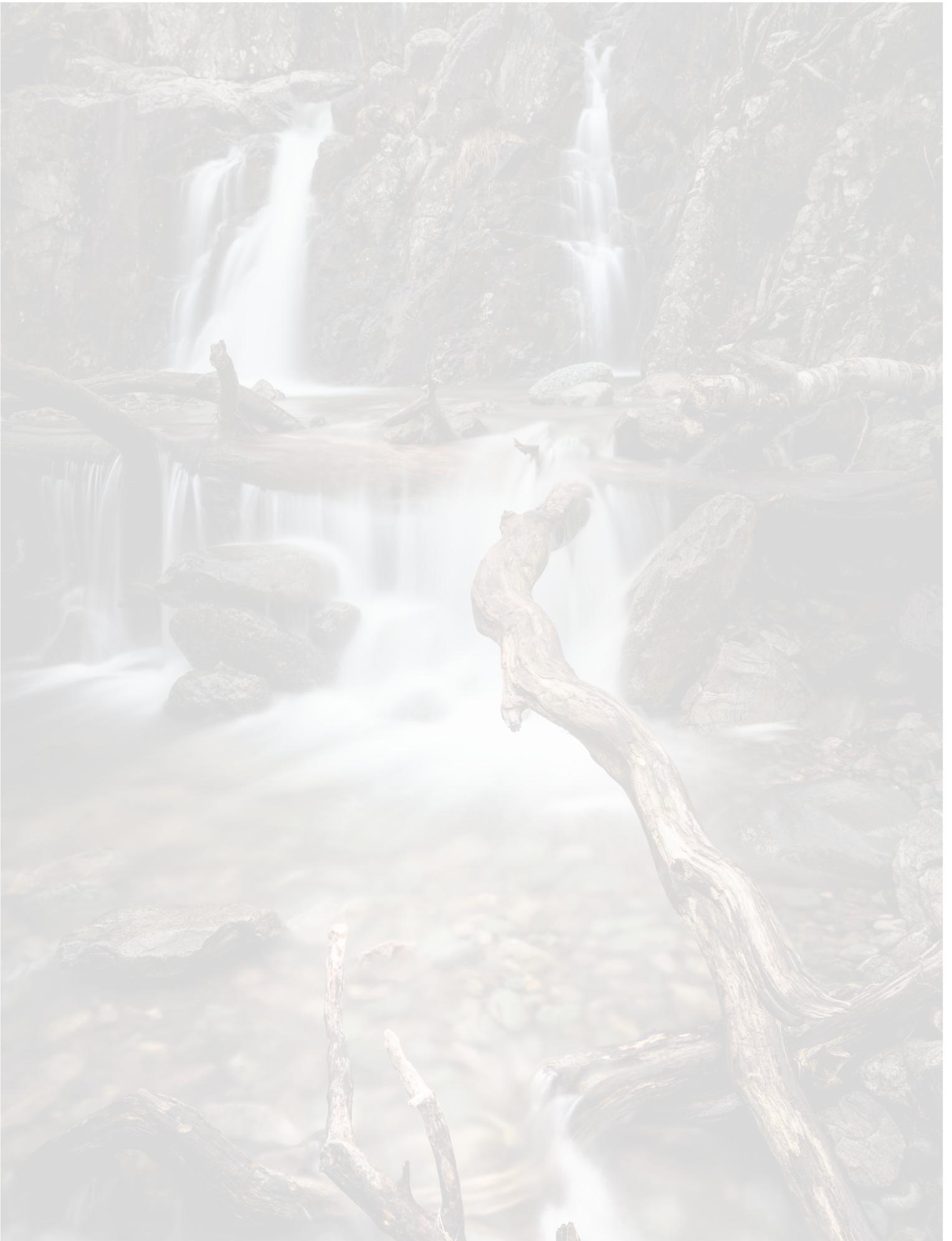




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# 2020



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# NEW in 2020

Odor Emissions and Control for Collection Systems and Water Resource Recovery Facilities, MOP 25, 2nd Edition

Stormwater, Watershed, and Receiving Water Quality Modeling

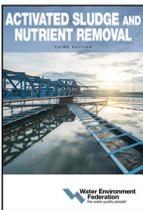
Wastewater Treatment Fundamentals I, Print and Online Course

Water and Wastewater Laboratory Techniques, 2nd Edition

Wastewater Collection System Operator Certification Studybook, 2nd Edition

Why Water's Worth It

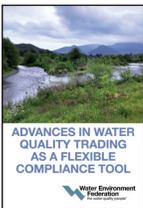
## Activated Sludge and Nutrient Removal, MOP OM-9, 3rd Edition



Published by WEF, 2018  
Print : P170004  
Ebook: P170004EBOOK  
Member/List Price: \$99/\$125  
Soft cover, 480 pages

This critical manual guides you through selecting an appropriate sludge age, calculating wasting rates, optimizing return activated sludge flow, managing clarifier blankets, and setting DO and ORP set points. Includes an updated process control section, a new laboratory chapter, an introduction to using modeling for process control, and practice questions at the end of each chapter.

## Advances in Water Quality Trading as a Flexible Compliance Tool



Published by WEF, 2015  
Print: P150004  
Ebook: P150004EBOOK  
Member/List Price: \$104/\$130  
Soft cover, 342 pages

*Advances in Water Quality Trading as a Flexible Compliance Tool* explores the status of water quality trading and recent changes in the industry and is a guide for implementing and using water quality trading for regulatory compliance purposes. This book offers a look at where and how optimizing investments in water quality through trading are unfolding.

## Affordability of Wastewater Service



Published by WEF, 2007  
Print: P07016  
Member/List Price: \$69/\$85  
Soft cover, 80 pages

This publication provides an overview of the problem of affordability and offers some specific considerations that elected officials, utility managers, and utility staff might consider when addressing affordability issues in their communities.

## Alternative Sewer Systems, MOP FD-12, 2nd Edition



Published by WEF, 2008  
Print: WPM813  
Member/List Price: \$88/\$113  
Hard cover, 300 pages

Pressure, vacuum, and effluent collection systems are alternatives to expensive gravity systems presently used in small or large communities and are an integral part of cluster or neighborhood systems. This is an essential reference for wastewater professionals searching for a complete understanding of the types of systems in use today.

## Alternative Water Sources and Wastewater Management



Published by McGraw-Hill, 2012  
Print: R140201  
Member/List Price: \$50/\$59  
Hard cover, 384 pages

This book presents a variety of innovative concepts that are being researched, developed, and implemented worldwide. Featuring detailed illustrations, an eight-page color insert, current examples, statistics, and calculations.

## Automation of Water Resource Recovery Facilities, MOP 21, 4th Edition



Published by WEF, 2013  
Print: P130003  
Ebook: P13005EPUB  
Member/List Price: \$124/\$155  
Soft cover, 663 pages

This manual will introduce you to the technological advancement and present you with the elements and standards of a complete automation design. Ideal for designers, utility managers, and operators.

## Basic Laboratory Procedures for the Operator–Analyst



Published by WEF, 2012  
Print: P120083  
Ebook: P120083EPUB  
Member/List Price: \$72/\$96  
Soft cover, 432 pages

This publication includes laboratory procedures most often performed in wastewater laboratories and general wet chemistry procedures, activated sludge process control tests, bacteriological testing, and special sections about basic laboratory techniques and proper use of spectrophotometers and colorimetry.

## Biofilm Reactors, MOP 35

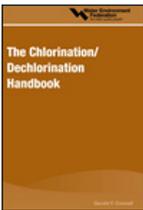


Published by WEF Press, 2010  
Print: W100061  
Member/List Price: \$116/\$146  
Hard cover, 604 pages

This resource offers complete coverage of pure fixed-film and hybrid treatment systems, along with details on their design, performance, and operational issues. Real-world case studies

illustrate the application of the technologies presented in this authoritative volume.

## Chlorination/Dechlorination Handbook

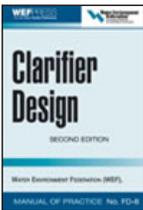


Published by WEF, 2002  
Print: P12101  
Member/List Price: \$60/\$75  
Soft cover, 208 pages

This all-inclusive book of chlorine-based chemicals is designed to help the wastewater professional apply the science of disinfection using the most up-to-date practices to ensure

safety and control odors.

## Clarifier Design, MOP FD-8, 2nd Edition



Published by WEF Press, 2005  
Print: WPM408  
Member/List Price: \$130/\$173  
Hard cover, 704 pages

Contrasting traditional methods with the many leading-edge choices in clarifier design approaches, this Manual of Practice establishes criteria and protocols for decision-making.

Its demystifying explanations will help everyone approach the process and its technologies with more understanding, confidence, and clarity.

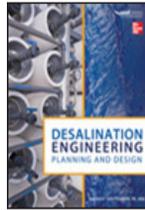
## Contemporary Technologies for Shale-Gas Water and Environmental Management



Published by WEF, 2012  
Print: P120003  
Ebook: P12003EPUB  
Member/List Price: \$68/\$85  
Soft cover, 173 pages

Cutting edge gas-shale corporate developers, environmental researchers, and concerned municipality representatives present contemporary technical information and explore potential issues and concerns with gas-shale stakeholders. The publication focuses on related science and engineering technology and presents information on emerging technologies, case studies, and rational cautions for chemical and radiological adverse human and environmental interactions.

## Desalination Engineering: Planning and Design

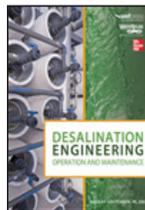


Published by WEF Press, 2013  
Print: W130001  
Member/List Price: \$99/\$162  
Hard cover, 688 pages

*Desalination Engineering: Planning and Design* provides comprehensive information on the planning and engineering of brackish and seawater desalination projects for

municipal water supplies.

## Desalination Engineering: Operation and Maintenance



Published by WEF Press, 2014  
Print: W140001  
Member/List Price: \$99/\$130  
Hard cover, 307 pages

*Desalination Engineering: Operation and Maintenance* describes state-of-the art operation, maintenance, and troubleshooting methods for reverse osmosis brackish and

seawater desalination plants for municipal water supplies.

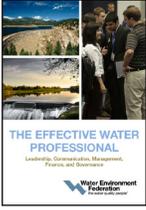
## Design of Urban Stormwater Controls, MOP 23



Published by WEF Press, 2012  
Print: W120001  
Member/List Price: \$116/\$146  
Hard cover, 705 pages

This manual supports the concept that systems of stormwater controls can be designed to meet the various objectives of stormwater management. Technologies are consolidated under a comprehensive view of stormwater management to foster a convergence between traditional stormwater controls and green infrastructure.

## The Effective Water Professional



Published by WEF, 2015  
 Print: P150005  
 Ebook: P150005EBOOK  
 Member/List Price: \$124/\$155  
 Soft cover, 288 pages

The Effective Water Professional provides readers with all the materials they need to succeed using proven techniques written by industry leaders. This textbook covers leadership, communication, utility management, utility governance, and finance as it relates to the water industry and includes class discussion points and examples.

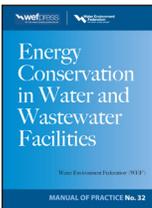
## Emergency Planning, Response, and Recovery



Published by WEF, 2013  
 Print: P130002  
 Ebook: P13002EBOOKS  
 Member/List Price: \$99/\$125  
 Soft cover, 283 pages

*Emergency Planning, Response, and Recovery* will help your utility develop an emergency response plan to recover from events such as infrastructure failure, small-scale, and large-scale natural disasters, and human-created incidents.

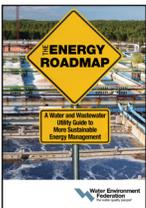
## Energy Conservation in Water and Wastewater Treatment Facilities, MOP 32



Published by WEF Press, 2009  
 Print: W090037  
 Member/List Price: \$116/\$151  
 Hard cover, 400 pages

Covering water and wastewater treatment, this manual discusses principles and concepts of energy requirements, potential sources of inefficiency, and recommended energy conservation measures for specific equipment and processes.

## The Energy Roadmap



Published by WEF, 2013  
 Print: P130001  
 Ebook: P130001EBOOK  
 Member/List Price: \$44/\$55  
 Soft cover, 148 pages

The Roadmap serves as a guide for utilities of all sizes on the path to sustainable energy management. In it you will explore innovative approaches to cost-effectively recover and reuse resources to transform “wastes” to valuable products.

## Existing Sewer Evaluation and Rehabilitation, MOP FD-6, 3rd Edition



Published by WEF Press, 2009  
 Developed by WEF & ASCE  
 Print: W090020  
 Member/List Price: \$90/\$113  
 Hard cover, 327 pages

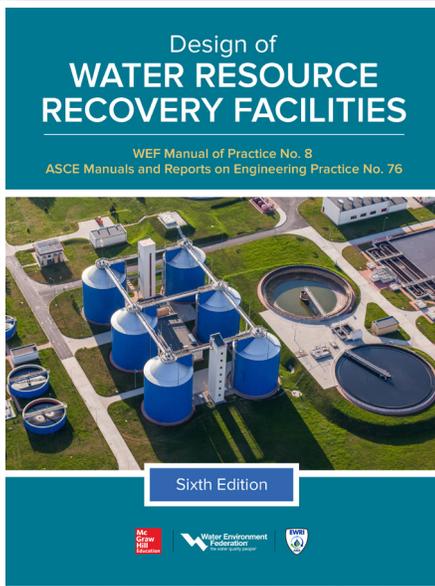
This authoritative volume offers comprehensive information on the maintenance, repair, rehabilitation, and replacement of existing sewers. Key topics include sewer evaluation and monitoring, sewer rehabilitation methods and materials, and quality assurance.

## Financing and Charges for Wastewater Systems, MOP 27



Published by WEF, 2018  
 Print: P180001  
 Ebook: P180001EPUB  
 Member/List Price: \$108/\$135  
 Soft cover, 340 pages

This 4th edition of Financing and Charges for Wastewater Systems provides an overview of current industry practices that should be considered for financing and establishing rates and charges for wastewater collection and treatment systems.



## Design of Water Resource Recovery Facilities, MOP 8, 6th Edition

Now offered as one volume, this thoroughly revised resource from the Water Environment Federation and the Environmental and Water Resources Institute of the American Society of Civil Engineers offers comprehensive coverage of water resource recovery facility design. The book fully explains all water treatment systems and processes and takes a look at environmental issues and procedures for energy generation.

Featuring contributions from hundreds of wastewater engineering experts, Design of Water Resource Recovery Facilities, MOP 8 and ASCE MOP No. 76, Sixth Edition, presents the state-of-the-art resource in facility planning, configuration, and design. New and expanded topics include use and application of modeling wastewater treatment processes; advances in biological treatment; and advances in biosolids handling, including effective thermal hydrolysis.

- Explains the transition from wastewater treatment to water resource recovery
- Features design approaches, facility planning guidance, and configuration best practices
- Developed by the Design of Water Resource Recovery Facilities Task Force of WEF and ASCE/EWRI

Published by WEF Press & ASCE, 2018  
Print: W170001  
Member/List Price \$260/\$325  
Hard cover, 2416 pages

*When purchased from the Water Environment Federation, this book includes:*  
*Sustainability and Energy Management for Water Resource Recovery Facilities (print)*  
*Occupational Health and Safety for Water Resource Recovery Facility Design (PDF)*  
*Glossary of Water Resource Recovery Facility Design Terms (PDF)*

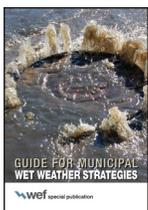
### Green Infrastructure Implementation



Published by WEF, 2014  
Print: P140003  
Ebook: P140003EPUB  
Member/List Price: \$104/\$130  
Soft cover, 491 pages

Green Infrastructure Implementation tackles topics that relate directly to the ability to implement green infrastructure. The collection of programmatic and planning topics covers a range of issues from stormwater to public education.

### Guide for Municipal Wet Weather Strategies



Published by WEF, 2013  
Print: P130004  
Ebook: P130004EPUB  
Member/List Price: \$56/\$70  
Soft cover, 146 pages

This book provides a clear and common understanding of what constitutes generally accepted planning and engineering practices and a process for selecting the optimum wet weather management option.

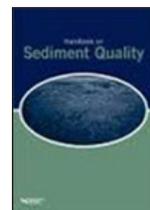
### Guidelines for Grit Sampling and Characterization



Published by WEF, 2017  
Print: P160002  
Ebook: P160002EBOOK  
Member/List Price: \$99/\$125  
Soft cover, 124 pages

*Guidelines for Grit Sampling and Characterization* examines methods currently in use and helps utility owners, consulting engineers, and grit equipment manufacturers understand the implications of the methods they select.

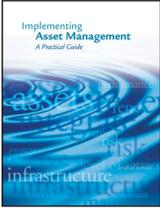
### Handbook on Sediment Quality



Published by WEF, 2002  
Print: P02105  
Member/List Price: \$70/\$85  
Soft cover, 372 pages

This resource thoroughly addresses sorption processes, bioavailability, sediment collection and assessment techniques, toxicity testing, advantages and disadvantages of chemical sediment quality guidelines, and sediment quality modeling.

## Implementing Asset Management: A Practical Guide



Published by AMWA, NACWA & WEF, 2007  
Print: P07011  
Member/List Price: \$95/\$200  
Soft cover, 80 pages

This indispensable resource provides utility professionals a step-by-step guide to continued improvement in the management of their infrastructure assets. Utilities can address their infrastructure assets at a broad, system-wide level by grouping assets or drill-down to individual assets, components, and elements.

## Industrial Wastewater Management, Treatment, and Disposal, MOP FD-3, 3rd Edition

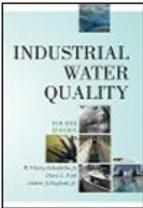


Published by WEF Press, 2008  
Print: WPM814  
Member/List Price: \$104/\$130  
Hard cover, 600 pages

This manual offers proven methods to help take on toxic, concentrated, and polluted wastewater. Complete with illustrations and tables throughout, this comprehensive guide

contains information on significant treatment studies, efficient control processes, and regulations.

## Industrial Water Quality, 4th Edition

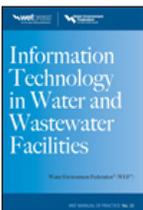


Published by WEF Press, 2008  
Print: WPM815  
Member/List Price: \$142/\$184  
Hard cover, 896 pages

This classic guide to controlling industrial water pollution has been updated with the latest regulations and new technologies. Turn to the new edition for guidance on state-of-the-art

methods for optimizing or upgrading existing wastewater treatment systems, as well as selecting the best treatment options to solve specific wastewater problems.

## Information Technology in Water and Wastewater Utilities, MOP 33

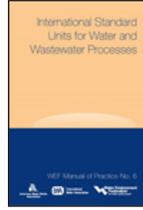


Published by WEF Press, 2010  
Print: W100059  
Member/List Price: \$88/\$113  
Hard cover, 375 pages

The manual presents an overview of the information technology (IT) systems, practices, and applications most relevant to utilities. This resource covers strategic planning, IT program

development, project management, infrastructure, security, organizational issues, success factors, and challenges.

## International Standard Units for Water and Wastewater Processes, MOP 6



Published by WEF, AWWA & IWA, 2011  
Print: M110074  
Member/List Price: \$40/\$50  
Soft cover, 100 pages

This manual establishes units of expression that are universally understandable and readily comparable for all design, operation, and performance factors. The manual was written for engineering professionals familiar with water and wastewater treatment concepts, the design process, and the regulatory basis for water and wastewater control.

## Managing the Water and Wastewater Utility



Published by WEF, 2004  
Print: P12103  
Member/List Price: \$72/\$90  
Hard cover, 288 pages

This book provides a foundation of knowledge and an array of experience-based opinions in preparation of a successful management career, including leadership, budgeting and fiscal

control, managing O&M, design and capital improvements, and the role of information technology.

## Manure Pathogens: Manure Management, Regulations, and Water Quality Protection



Published by WEF Press, 2009  
Print: W090023  
Member/List Price: \$55/\$152  
Hard cover, 562 pages

This comprehensive work on manure pathogens details what pathogens are present in manure; what risks they may pose; and how manure can be stored, managed, and treated to reduce risks.

## Membrane Bioreactors, MOP 36

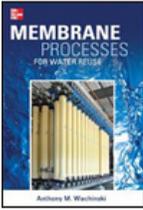


Published by WEF Press, 2011  
Print: W110077  
Member/List Price: \$111/\$139  
Hard cover, 448 pages

This resource presents best practices for the use of membrane bioreactors for resource recovery. The book begins with an overview of membrane and biological process fundamentals, followed

by coverage of membrane bioreactor system integrated process design.

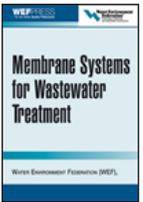
## Membrane Processes for Water Reuse



Published by McGraw-Hill, 2012  
Print: R140202  
Member/List Price: \$96/\$107  
Hard cover, 464 pages

This book describes how membrane technology can be used alone, with aerobic or anaerobic processes, or as integrated membrane systems to process treated municipal effluent or industrial wastewater for discharge, recycle, or reuse.

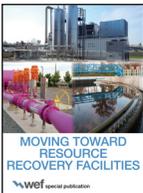
## Membrane Systems for Wastewater Treatment



Published by WEF Press, 2005  
Print: WPM406  
Member/List Price: \$92/\$119  
Hard cover, 320 pages

The book focuses on achieving higher standards of water quality and provides comprehensive coverage of all types of systems and phases of operation, from system and equipment configurations to routine monitoring, maintenance, and troubleshooting.

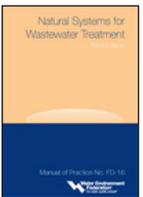
## Moving Toward Resource Recovery Facilities



Published by WEF, 2014  
Print: P140001  
Ebook: P140001EPUB  
Member/List Price: \$104/\$130  
Soft cover, 340 pages

Moving Toward Water Resource Recovery Facilities provides an overview of state-of-the-art technological approaches to resources recovery and provides general guidance on the applicability of recovery technologies for the cross section of facility types.

## Natural Systems for Wastewater Treatment, MOP FD-16, 3rd Edition



Published by WEF, 2010  
Print: M090048  
Member/List Price: \$77/\$110  
Soft cover, 500 pages

This MOP covers soil-based treatment systems and aquatic-based treatment systems including up-to-date information on pond effluent treatment technologies for algae removal, floating aquatic treatment using periphyton, vertical flow constructed wetlands, and reciprocating operation of subsurface constructed wetlands.

## Nutrient Removal, MOP 34



Published by WEF Press, 2010  
Print: W100060  
Ebook: W100060EPUB  
Member/List Price: \$116/\$146  
Hard cover, 664 pages

This manual provides comprehensive information on biological and chemical methods for nitrogen and phosphorus removal from waste-water. This resource covers environmental and regulatory issues and provides an integrated approach for combined nitrogen and phosphorus removal, including details on ammonia and dewatering liquors treatment.

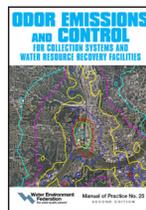
## The Nutrient Roadmap



Published by WEF, 2015  
Print: P150002  
Ebook: P150002EBOOK  
Member/List Price: \$84/\$105  
Soft cover, 184 pages

The Nutrient Roadmap is the first step toward accelerating the transition to smarter nutrient management, facilitating the shift from removal to recovery, and anticipating future requirements to conserve energy and reuse resources. This book will not only help your facility to produce clean water but also recover critical nutrients for reuse in an energy-neutral manner.

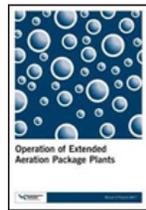
## Odor Emissions and Control for Collection Systems and Water Resource Recovery Facilities, MOP 25, 2nd Edition



Published by WEF, 2020  
Print : P200003  
Ebook: P200003EBOOK  
Member/List Price: \$100/\$125  
Soft cover, 250 pages

This manual covers all aspects of odor control in wastewater conveyance and treatment including the basics of odor emissions, characteristics, and regulations and the technologies used to treat odors.

## Operation of Extended Aeration Package Plants, MOP OM-7



Published by WEF, 2004  
Print: MM4024  
Member/List Price: \$64/\$85  
Soft cover, 175 pages

This manual covers many important aspects of small package extended aeration wastewater treatment plants, from installation of prefabricated treatment plant packages to operation of the process, tests and maintenance, adhering to regulatory requirements, and safety and health considerations.

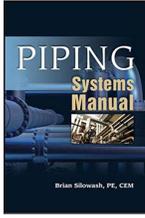
## Operation of Nutrient Removal Facilities, MOP 37



Published by WEF, 2013  
Print: P130006  
EBook: P130006EPUB  
Member/List Price: \$108/\$135  
Soft cover, 590 pages

This manual will help you to gain a better understanding of fundamental biological and chemical processes that are in use at nutrient removal facilities and the ways that operators may use, monitor, and control these processes to meet their facility's treatment goal.

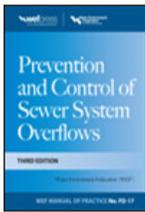
## Piping Systems Manual



Published by McGraw-Hill, 2009  
Print: R090245  
Member/List Price: \$99/\$110  
Hard cover, 432 pages

This publication is a hands-on design and engineering resource that explains the reasons behind the designs. It provides full coverage of materials, components, calculations, specifications, safety, and much more for piping installation, repair, and rehabilitation. Detailed illustrations make it easy to understand the best practices presented in the book.

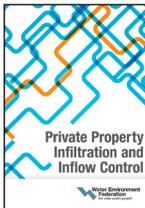
## Prevention and Control of Sewer System Overflows, MOP FD-17, 3rd Edition



Published by WEF, 2011  
Print: W110075  
Member/List Price: \$99/\$125  
Hard cover, 448 pages

This manual provides the information necessary to help managers and engineers understand and analyze an overflow problem, and offers guidance on finding the most efficient, feasible, and cost-effective strategies to reduce or eliminate such overflows.

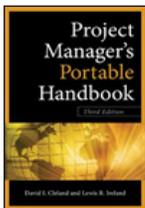
## Private Property Infiltration and Inflow Control



Published by WEF, 2016  
Print: P160001  
Ebook: P160001EPUB  
Member/List Price: \$95/\$119  
Soft cover, 119 pages

*Private Property Infiltration and Inflow Control* offers guidance on methods to identify, locate, and estimate the magnitude of private property I/I, as well as best practices for employing corrective actions to control it. This guide also outlines the elements for implementing a successful private property program and navigating the many barriers to implementation.

## Project Manager's Portable Handbook, 3rd Edition



Published by McGraw-Hill, 2010  
Print: R100264  
Member/List Price: \$49/\$56  
Soft cover, 464 pages

This hands-on guide offers concise, practical details on the fundamental knowledge, skills, and attitudes required to manage projects. This compact reference summarizes best practices for defining, designing, developing, and producing project results.

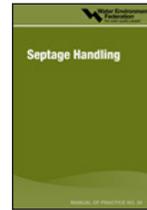
## Safety, Health, and Security in Wastewater Systems, MOP 1, 6th Edition



Published by WEF Press, 2012  
Print: W120003  
Member/List Price: \$89/\$113  
Hard cover, 482 pages

An injury-reduction tool to those working in the wastewater field. Topics include guidelines that describe how to perform a confined space entry, lockout/tagout, and chemical deliveries.

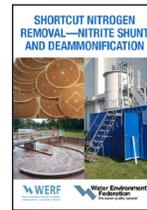
## Septage Handling, MOP 24



Published by WEF, 1997  
Print: M01002  
Member/List Price: \$56/\$75  
Soft cover, 247 pages

This manual explores alternatives for septage use and disposal explains statutory requirements and regulations, makes comparisons between septage quantities and characteristics, and explains odor control strategies.

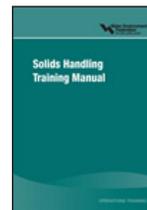
## Shortcut Nitrogen Removal-Nitrite Shunt and Deammonification



Published by WEF, 2015  
Print: P150003  
Ebook: P150003EBOOK  
Member/List Price: \$100/\$125  
Soft cover, 198 pages

The essential resource for facility owners and practitioners evaluating the implementation of shortcut nitrogen removal, including guidelines for assessing the application of various technologies. Benefits of implementation are reduced energy requirements, reduced carbon requirements, and reduced chemical costs

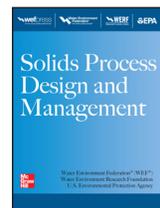
## Solids Handling Training Manual



Published by WEF, 2001  
Print: E10012  
Member/List Price: \$59/\$89  
Soft cover, 134 pages

This is a manual for a self-paced study of solids handling. It includes a solids processing overview, as well as information on conditioning, safety, and thickening and dewatering. Worked-out example calculations and periodic quizzes to check your progress are included.

## Solids Process Design and Management



Published by WEF Press, 2012  
Print: W120002  
Member/List Price: \$143/\$179  
Hard cover, 1069 pages

This publication is essential for any professional engaged in the design, approval, and operation of municipal solids treatment and disposal systems.

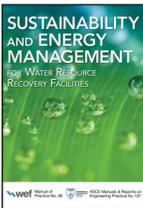
## Stormwater, Watershed and Receiving Water Quality



Published by WEF, 2020  
Print: P200001  
Ebook: P200001EBOOK  
Member/List Price: \$76/\$95  
Soft cover, 196 pages

This manual takes a “past, present, and future” look at the stormwater quality modeling industry. Stormwater quality models predict runoff volumes and loads from land surfaces and route them through receiving waterbodies. Some stormwater manuals that are referenced today are over 20 years old. Although the basic theory presented in these manuals remains applicable to today’s stormwater industry, many of the water quality models described in older manuals are no longer used or have undergone significant redevelopment.

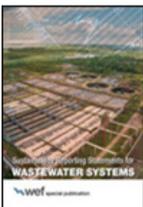
## Sustainability and Energy Management for Water Resource Recovery Facilities



Published by WEF & ASCE, 2018  
Print: P170005  
Ebook: P170005EBOOK  
Member/List Price: \$44/\$55  
Soft cover, 74 pages

This book describes the best practices for evaluating and improving the energy management and sustainability of water resource recovery facilities. As a companion to *Design of Water Resource Recovery Facilities, MOP 8*, it includes an assessment of commonly used sustainability frameworks and guidance on the practical application of sustainability concepts.

## Sustainability Reporting Statements for Wastewater Systems



Published by WEF, 2012  
Print: P120002  
Ebook: P120002EPUB  
Member/List Price: \$60/\$75  
Soft cover, 143 pages

This publication proposes a set of standard environmental performance report formats for wastewater utilities and facilitates uniform reporting similar to what is currently used for financial reporting.

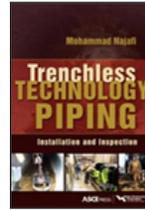
## Trenchless Technology Pipeline and Utility Design, Construction, and Renewal



Published by WEF Press, 2004  
Print: WPM404  
Member/List Price: \$99/\$140  
Hard cover, 448 pages

This publication covers valuable trenchless construction methods, such as microtunneling, horizontal directional drilling, the pilot tube method, pipe ramming, horizontal auger boring, pipe jacking, and utility tunneling, and examines pipeline renewal method.

## Trenchless Technology Piping: Installation and Inspection



Published by WEF Press, 2010  
Print: W100056  
Member/List Price: \$99/\$130  
Hard cover, 482 pages

This resource explains how to implement design, construction, and inspection processes and shows how to save time and money with a project management system. Packed with illustrations, the book surveys the wide variety of trenchless technologies available and discusses applications for each.

## Trenchless Technology: Planning, Equipment, and Methods



Published by McGraw-Hill, 2013  
Print: R130002  
Member/List Price: \$99/\$135  
Hard cover, 582 pages

This book describes how to plan, schedule, and implement efficient, cost-effective trenchless technology piping projects. Filled with illustrations and examples, this book explains how to compare the costs of trenchless projects.

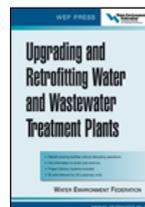
## Ultraviolet Disinfection for Wastewater



Published by WEF, 2015  
Print: P150001  
Ebook: P150001EBOOK  
Member/List Price: \$100/\$125  
Soft cover, 210 pages

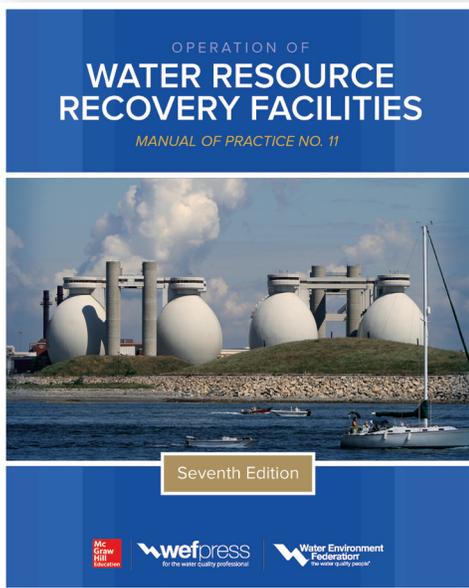
This essential guide for consultants, wastewater utilities, and operators provides introductory information on the advantages—and disadvantages—of UV disinfection compared to other commonly used technologies. *UV Disinfection for Wastewater* fills a gap in the design guidance that is available for UV disinfection for low-dose applications.

## Upgrading and Retrofitting Water and Wastewater Treatment Plants, MOP 28



Published by WEF Press, 2004  
Print: WPM403  
Member/List Price: \$73/\$92  
Hard cover, 300 pages

This manual covers the latest upgrading and retrofitting procedures and shows how to avoid common pitfalls, cost overruns, and permit violations.



Published by WEF Press, 2017  
 Print: W160001  
 Member/List Price \$208/\$260  
 Hard cover, 1611 pages

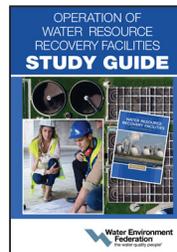
## Operation of Water Resource Recovery Facilities, MOP 11, 7th Edition

*Operation of Water Resource Recovery Facilities, MOP 11, Seventh Edition*, delivers state-of-the-art coverage of the operation, management, and maintenance of water resource recovery facilities. Now conveniently presented in one volume, this authoritative resource reflects the 21st century facility's role in recovering valuable resources, including water, nutrients, and energy. Updates can be found throughout to keep pace with technological advances, including instrumentation and control systems and reporting requirements. *Operation of Water Resource Recovery Facilities* represents the most complete and up-to-date reference available to the wastewater treatment industry.

### Coverage includes:

- Liquid Treatment
- Solids Treatment
- Process Performance Improvements
- Fundamentals of Management
- Permit Compliance and Wastewater Treatment Systems
- Industrial Wastes and Pretreatment
- Safety
- Management Information Systems – Reports and Records
- Process Instrumentation
- Pumping of Wastewater and Sludge
- Chemical Storage, Handling, and
- Feeding
- Utilities
- Maintenance
- Odor Control
- Integrated Process Management
- Training
- Outsourced Operations Services and Public/Private Partnerships

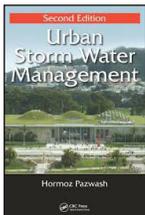
## Operation of Water Resource Recovery Facilities Study Guide



Published by WEF, 2018 | Print: P170002  
 Member/List Price \$59/\$89 | Soft cover, 300 pages

This companion to *Operation of Water Resource Recovery Facilities, MOP 11*, contains challenging questions and detailed solutions to help you with continuing education as well as on the job demands. This study guide can be used to help develop advanced knowledge and ensure that your water resource recovery facility is fulfilling its mission of environmental protection.

## Urban Storm Water Management, 2nd Edition



Published by CRC Press, 2016  
 Print: R151107  
 Member/List Price: \$142/\$159.95  
 Hard cover, 550 pages

Covering all elements of the storm water runoff process, *Urban Storm Water Management* includes numerous examples and case studies to guide practitioners in the design, maintenance, and understanding of runoff systems, erosion control systems, and common design methods and misconceptions.

## User-Fee-Funded Stormwater Programs



Published by WEF, 2013  
 Print: P130005  
 Ebook: P130005EPUB  
 Member/List Price: \$60/\$75  
 Soft cover, 196 pages

A must-read for agencies and public works departments interested in developing charge systems for stormwater programs based on fee structures. *User-Fee-Funded Stormwater Programs* will specify the drivers for stormwater user-fee formation and explore the responsibilities, costs, and entire implementation process.

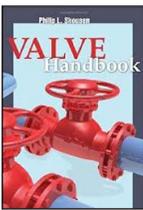
## Using Reclaimed Water to Augment Potable Water Resources, 2nd Edition



Published by WEF, AWWA, 2008  
Print: P08003  
Member/List Price: \$79/\$119  
Soft cover, 210 pages

This special publication covers available information on considering indirect potable reuse including the treatment technology; the complex health and regulatory issues; the barriers, backup options, and flexibility needed to maintain system reliability; and the need to address public perception through outreach and clear communication.

## Valve Handbook, 3rd Edition



Published by McGraw-Hill, 2004  
Print: R110278  
Member/List Price: \$99/\$113  
Hard cover, 496 pages

*Valve Handbook* discusses design, performance, selection, operation, and application. This resource features a new chapter on the green technology currently employed by the valve industry, as well as an overview of the major environmental global standards.

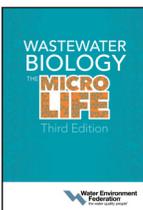
## Wastewater Biology: The Habitats



Published by WEF, 2000  
Print: P09106  
Member/List Price: \$50/\$70  
Soft cover, 127 pages

Written with a minimum of technical jargon, the reference identifies commonly occurring organisms and their basic roles in wastewater treatment and describes their habitats and the way these habitats and operational conditions interact.

## Wastewater Biology: The Microlife, 3rd Edition



Published by WEF, 2017  
Print: P170001  
Ebook: P170001EBOOK  
Member/List Price: \$76/\$95  
Soft cover, 362 pages

This publication explores the organisms that are considered the most important in the treatment of waste-water and disease transmission and provides you with the knowledge needed to regulate and control treatment processes properly. Includes 13 color plates to assist in identifying the microlife.

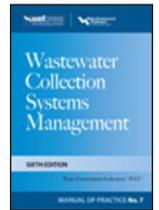
## Wastewater Collection System Operator Certification Studybook, 2nd Edition



Published by WEF, 2019  
Print: E180002  
Member/List Price: \$59/\$89  
Soft cover, 250 pages

This studybook will help wastewater collection system operators expand their knowledge of their chosen field and assist them in preparing for certification examinations.

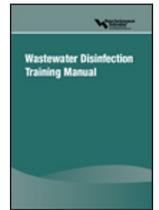
## Wastewater Collection Systems Management, MOP 7, 6th Edition



Published by WEF Press, 2009  
Print: W090036  
Member/List Price: \$92/\$119  
Hard cover, 272 pages

This manual provides up-to-date guidance on the oversight of wastewater collection systems, including gravity sewers, pumping stations, force mains, and other sewer conveyance-related facilities. It offers strategies for developing a comprehensive asset-management program that encompasses capacity, management, operations, and maintenance (CMOM) principles.

## Wastewater Disinfection Training Manual



Published by WEF, 2006  
Print: E60012  
Member/List Price: \$59/\$89  
Soft cover, 250 pages

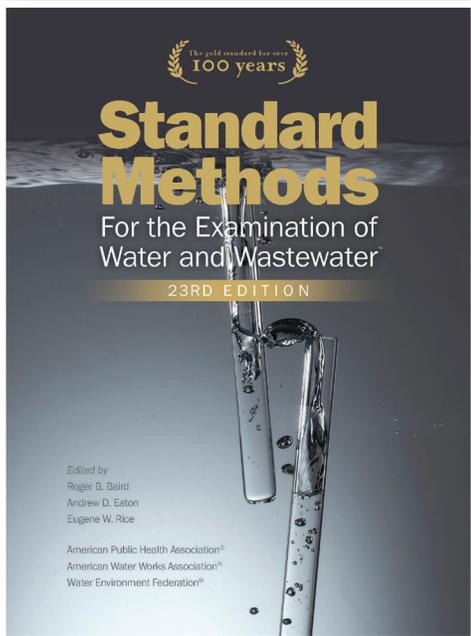
This manual covers chlorination, onsite sodium hypochlorite generation, ultraviolet disinfection, and alternative methods. With each disinfection technology covered, the manual discusses the properties of the disinfectant, equipment configurations, operating considerations, troubleshooting, and hazards and safety.

## Wastewater Engineering: Treatment and Resource Recovery, 5th Edition



Published by McGraw-Hill, 2013  
Print: R151101  
Member/List Price \$288/\$320  
Hard cover 2048 pages

The text describes the rapidly evolving field of wastewater engineering technological and regulatory changes that have occurred over the last ten years.



Published by APHA, AWWA & WEF, 2017  
 Print: S82017 | Member/List Price \$225/\$395  
 Hard cover, 1504 pages

## Standard Methods for the Examination of Water and Wastewater, 23rd Edition

With approximately 80 methods revised and 5 new methods added, *Standard Methods for the Examination of Water and Wastewater™*, 23rd edition provides the most up-to-date, comprehensive resource for measuring the biological, chemical, and physical attributes of waters and offers guidance for choosing among available methods for specific elements and compounds. Analysts, researchers, and regulators have relied on this peer-reviewed publication since 1905, and it remains a trusted source of accurate, proven methodology for analyzing natural waters, water supplies, and wastewaters.

### The 23rd edition is a must have resource for any laboratory and includes:

- The most up-to-date, comprehensive resource for water analysis;
- Approximately 390 methods, ratified by industry experts;
- Extensive revisions to Microbiological Examination (Part 9000);
- New drinking water method to test for pharmaceuticals and personal care products;
- New, more realistic, visuals to help identify aquatic organisms; and
- Revisions to Solids, Cyanide, Nitrate, Dissolved Oxygen, and Biochemical Oxygen Demand.

## Forever current, Standard Methods Online.

### Online features include:

- More than 100 EPA-approved methods
- Unlimited downloads
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- Access to a community of experts
- Notification of revisions, new materials, and EPA approvals

APHA, AWWA, and WEF offer IP Subscriptions to Standard Methods Online for companies and institutions to provide users with unlimited simultaneous access with no username or password. Users can focus on obtaining water analysis methods, and you can feel confident that you have provided them with the most state-of-the-art research tool available in today's regulatory environment.

Additional subscription options are available. For pricing and more information, visit us online at [www.standardmethods.org](http://www.standardmethods.org), or contact Standard Methods Customer Service by phone at 1-877-574-1233, 1-703-684-2469 (outside U.S. and Canada).



[www.apha.org](http://www.apha.org)



American Water Works  
Association

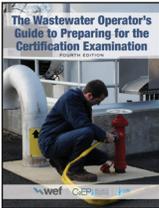
[www.awwa.org](http://www.awwa.org)



[www.wef.org](http://www.wef.org)

Shop online at: [wef.org/ShopWEF](http://wef.org/ShopWEF)

## The Wastewater Operator's Guide to Preparing for the Certification Examination, 4th Edition

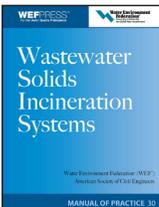


Published by ABC, C<sub>2</sub>EP, & WEF, 2016  
Print: E160001  
Member/List Price: \$59/\$89  
Soft cover, 154 pages

The fourth edition of this study guide includes C<sub>2</sub>EP's education and experience requirements, tips for taking a certification examination, and sample formulas and

conversions. This guide outlines what you can expect from the exam and lets you test your skills with approximately 200 sample questions.

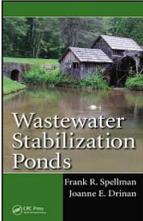
## Wastewater Solids Incineration Systems, MOP 30



Published by WEF Press, 2009  
Print: W090022  
Member/List Price: \$95/\$119  
Hard cover, 360 pages

This comprehensive manual offers you expert incineration guidance for biosolids and wastewater applications, covering current practice and environmentally friendly choices.

## Wastewater Stabilization Ponds

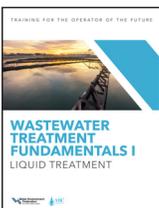


Published by CRC Press, 2014  
Print: R141104  
Member/List Price: \$134/\$150  
Hard cover, 343 pages

This text examines the use of wastewater stabilization ponds as a natural and highly effective process, centered on wastewater pond management processes and operation

procedures that provide passive treatment with minimal energy-driven mechanical elements.

## Wastewater Treatment Fundamentals I, Liquid Treatment, Book, Online Course and Final Exam



Published by WEF and ABC, 2018  
Print & Online Course: E180001C  
Member/List Price: \$159/\$219  
Soft Cover and Online Course

This online course and print book package is great for both visual and verbal learners! The package includes the print book, online course and final exam.

*Wastewater Treatment Fundamentals I: Liquid Treatment* covers all aspects of liquid treatment processes and helps operators prepare for the first three levels of certification examinations.

## Wastewater Treatment Fundamentals I, Liquid Treatment



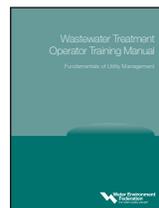
Published by WEF and ABC, 2018  
Print: E180001  
Member/List Price: \$99/\$139  
Soft Cover, 731 pages

Wastewater Treatment Operator Training Manual Fundamentals of Utility Management

*Wastewater Treatment Fundamentals I: Liquid Treatment* covers all aspects of liquid

treatment processes and helps operators prepare for the first three levels of certification examinations. In addition to learning the basics of liquid treatment, operators will gain a thorough understanding of critical aspects of biological treatment, nutrient removal, and disinfection.

## Wastewater Treatment Operator Training Manual: Fundamentals of Utility Management



Published by WEF, 2011  
Print: E110072  
Member/List Price: \$59/\$89  
Soft cover, 250 pages

This manual is intended for water and wastewater utility operations professionals who aspire to or have been promoted to management or leadership positions. It covers

management fundamentals while conveying some of the lessons learned from high-performing utilities' management strategies

## Wastewater Treatment Plant Design Handbook

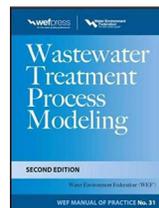


Published by WEF, 2012  
Print: P120001  
Ebook: P120001EPUB  
Member/List Price: \$73/\$90  
Soft Cover, 191 pages

This concise guide for designing water resource recovery facilities complements several major design reference guides, including *Design of*

*Water Resource Recovery Facilities, MOP 8*. It provides an overview of all aspects of design to assist design professionals.

## Wastewater Treatment Process Modeling, MOP 31, 2nd Edition

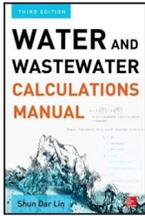


Published by WEF Press, 2013  
Print: W130002  
Member/List Price: \$121/\$152  
Soft cover, 388 pages

This authoritative guide helps process engineers understand general modeling concepts and terminology, and offers practical details on how to use process models. It describes each step of

the modeling process, from the fundamental math required and overviews of existing models and when to use them, to modeling protocols and how to interpret data.

## Water and Wastewater Calculations Manual, 3rd Edition

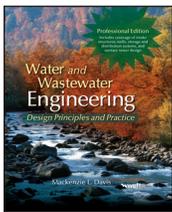


Published by WEF Press, 2014  
Print: W140002  
Member/List Price: \$104/\$130  
Hard cover, 977 pages

This book outlines principles and best practices for the calculation of surface water, groundwater, drinking water treatment, and wastewater engineering. Based on practical

data and the most current federal and state regulations, this edition is a must-have for all water and wastewater consultants and designers.

## Water and Wastewater Engineering: Principles and Practice

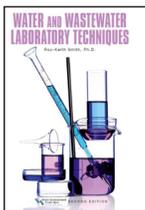


Published by WEF Press, 2010  
Print: W100055  
Member/List Price: \$142/\$184  
Hard cover, 1296 pages

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.

## Water and Wastewater Laboratory Techniques, 2nd Edition

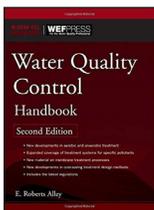


Published by WEF, 2019  
Print: P190001  
Ebook: P190001EBOOK  
Member/List Price: \$78/\$97  
Soft cover, 238 pages

This book is written as a teaching and reference tool for educating analysts in water and wastewater laboratories in the skills and

techniques of the bench chemist explaining everything an analyst might encounter in performing a generic chemistry test.

## Water Quality Control Handbook, 2nd Edition

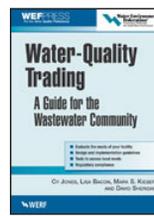


Published by WEF Press, 2006  
Print: WPM411  
Member/List Price: \$90/\$179  
Hard cover, 848 pages

This state-of-the-art guide explores design innovations, equipment selection, treatment processes, new regulations, and operating methods for achieving peak performance in all

kinds of wastewater treatment facilities.

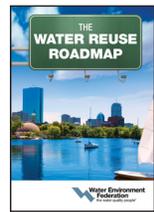
## Water-Quality Trading: A Guide for the Wastewater Community



Published by WEF Press, 2005  
Print: WPM405  
Member/List Price: \$99/\$135  
Hard cover, 329 pages

This resource is a practical guide for evaluating the potential for waterquality trading and provides the framework for designing and implementing the trade.

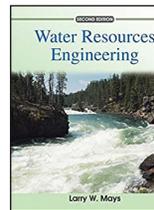
## The Water Reuse Roadmap



Published by WEF, 2018  
Print: P170003  
Ebook: P170003EBOOK  
Member/List Price: \$84/\$105  
Soft cover, 216 pages

The Water Reuse Roadmap is an overview of virtually all the opportunities and issues faced by water reuse projects. Developed to help water managers facilitate successful water reuse programs, from concept development through implementation and maintenance.

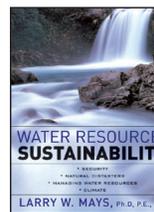
## Water Resources Engineering, 2nd Edition



Published by John Wiley & Sons, 2010  
Print: R100170  
Member/List Price: \$110/\$110  
Hard cover, 890 pages

This textbook presents a easy-to-understand presentation of hydraulic and hydrologic processes using the control volume approach.

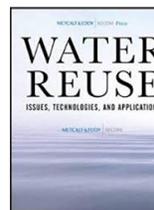
## Water Resources Sustainability



Published by WEF Press, 2006  
Print: WPM409  
Member/List Price: \$77/\$140  
Hard cover, 330 pages

Written by Larry W. Mays, this manual includes information for analyzing water resource needs, modeling supply reliability, irrigation, and optimization.

## Water Reuse: Issues, Technologies, and Applications



Published by McGraw-Hill, 2007  
Print: R70201  
Member/List Price: \$130/\$151  
Hard cover, 1570 pages

This award-winning publication equips water/wastewater students, engineers, scientists, and professionals with a definitive account of the latest water reclamation, recycling, and reuse theory and practice taking an integrated approach to all aspects of water reuse, from public health protection to advanced technology to implementation issues.

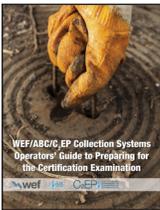
## WEF/ABC Biosolids Land Appliers' Guide to



Preparing for the Certification Examination  
Published by WEF, 2012  
Print: E110076  
Member/List Price: \$59/\$89  
Soft cover, 58 pages

This guide for biosolids land appliers includes practice certification exam questions with references and feedback on each of the correct answers. The ABC Need-To-Know matrix for the seven core competency areas, suggested references for the two class levels, and tips to take the exam are also included.

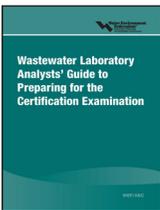
## WEF/ABC/C<sub>2</sub>EP Collection Systems Operators' Guide to Preparing for the Certification Examination



Published by WEF, 2014  
Print: E140001  
Member/List Price: \$59/\$89  
Soft cover, 94 pages

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## WEF/ABC Wastewater Laboratory Analysts' Guide to Preparing for the Certification Examination



Published by WEF, 2000  
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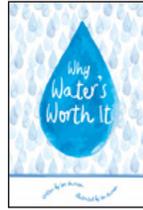
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Published by WEF, 2014  
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