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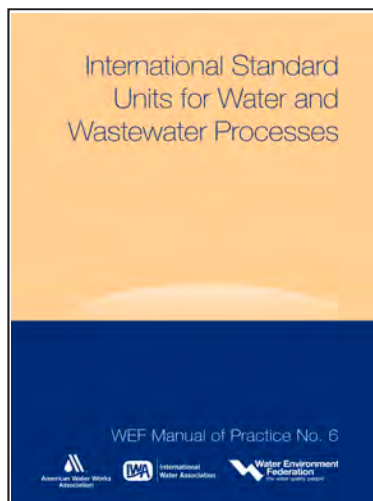
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International Standard Units for Water and Wastewater Processes, MOP 6



Member/List Price: \$44.99/\$55.99

Order Number: M110074

Medium: Soft cover

Year: 2011

Pages: 108

Publisher: WEF

This updated 4th edition of this manual continues its goal to establish 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.

Moving Toward Resource Recovery Facilities

Member/List Price: \$124.99/\$159.99

Order Number: P140001

Medium: Soft cover

Year: 2014

Pages: 340

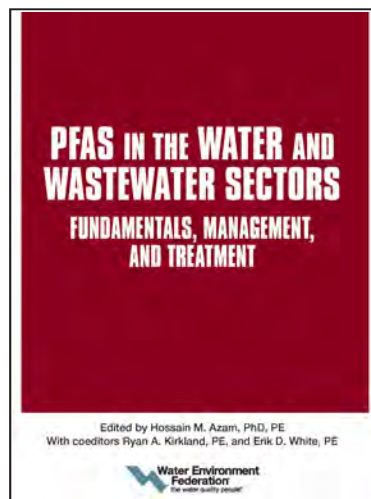
Publisher: WEF

Providing an overview of the fundamental drivers for resource recovery from wastewater and presenting the basic case for resource recovery, *Moving Toward 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. This allows facilities to take steps towards recycling a greater number of otherwise lost resources.



The digital version is available on Access Water.

PFAS in the Water and Wastewater Sectors: Fundamentals, Management and Treatment



Member/List Price: \$154.99/\$189.99

Order Number: P230004

Medium: Soft cover

Year: 2023

Pages: 532

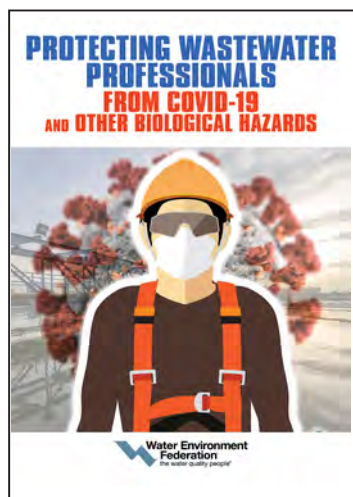
Publisher: WEF



This collection of essays provides a state of the field on PFAS from a variety of perspectives within the water sector. Contributors include experts in industrial wastewater, municipal water management, and public health, with each contributor highlighting a different facet of the impact of PFAS in water and wastewater and providing guidance on the responses necessary to limit the chemicals' negative effects.

The digital version is available on Access Water.

Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards



Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

Year: 2020

Pages: 114

Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.

Solids Process Design and Management, 2nd Edition

Member/List Price: \$183.99/\$229.99

Order Number: P230001

Medium: Soft cover

Year: 2023

Pages: 1,080

Publisher: WEF

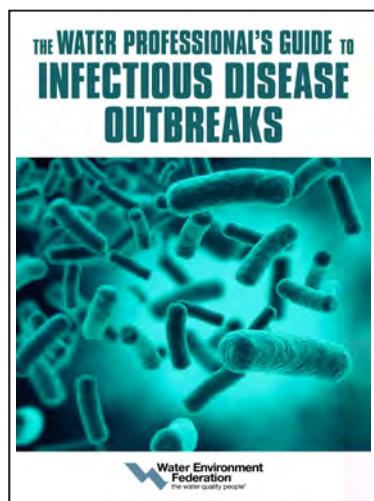


Intended for use by professionals engaged in the design, approval, and operation of solids treatment and disposal systems, this update addresses many of the changes that have occurred over the past decade, incorporating material published as recently as 2022. Wastewater continues to require increasing levels of treatment, especially as we begin to consider our facilities as water resource recovery facilities. This will yield more solids that, at the least, need to be managed in an efficient and effective manner to protect human health and the environment. Preferably, we can treat these solids as resources, recovering biogas from the digestion process and phosphorus from the biosolids.



The digital version is available on Access Water.

The Water Professionals Guide to Infectious Disease Outbreaks



Member/List Price: \$129.99/\$164.99

Order Number: P230002

Medium: Soft cover

Year: 2023

Pages: 364

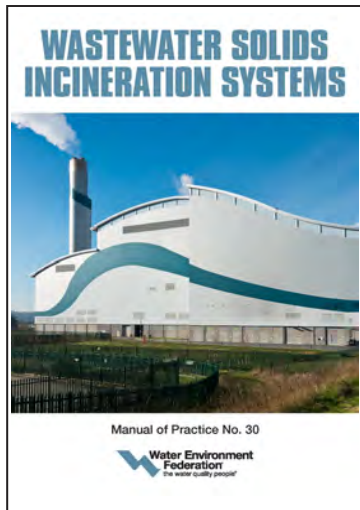
Publisher: WEF



The *Water Professional's Guide to Infectious Disease Outbreaks* will help you understand and evaluate the vast amounts of information produced during outbreaks and make evidence-based decisions to protect both water professionals and the wider community. The publication covers pathogens, treatment practices, risk assessment, health and safety evaluation approaches, adaptations in facility management, communications, and wastewater surveillance.

The digital version is available on Access Water.

Wastewater Solids Incineration Systems, MOP 30



Member/List Price: \$124.99/\$159.99

Order Number: W090022

Medium: Soft cover

Year: 2009

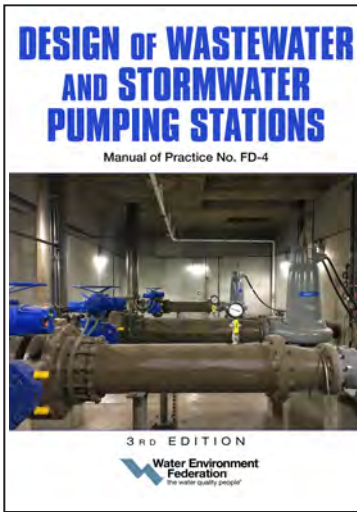
Pages: 360

Publisher: WEF

This comprehensive manual offers you expert incineration guidance for biosolids and wastewater applications covering current practice and environmentally friendly choices. The book fully explains the safety, permitting, design, operations, and maintenance of the incineration process.

The digital version is available on Access Water.

Design of Wastewater and Stormwater Pumping Stations, MOP FD-4, 3rd Edition



Member/List Price: \$143.99/\$179.99

Order Number: P220009

Medium: Soft cover

Year: 2022

Pages: 326

Publisher: WEF

This Manual of Practice presents current design considerations for wastewater and stormwater pumping stations. It covers station capacity requirements and configuration, the selection, and design of pumping equipment, piping system layout and hydraulic considerations, electrical and instrumentation systems design, and other station appurtenances. Intended for design professionals, it addresses the design of stations of all sizes and highlights the differences between wastewater and stormwater stations.

The digital version is available on Access Water.

Existing Sewer Evaluation and Rehabilitation, MOP FD-6, 4th Edition

Member/List Price: \$134.99/\$189.99

Order Number: P240004

Medium: Soft cover

Year: 2024

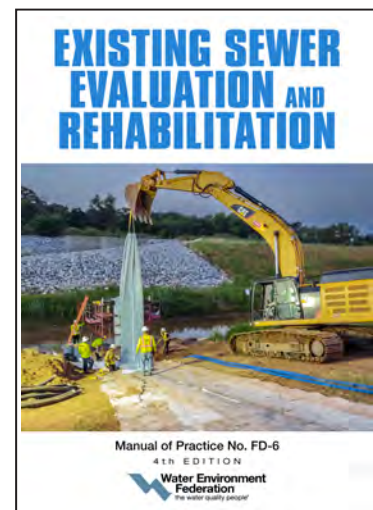
Pages: 350

Publisher: WEF

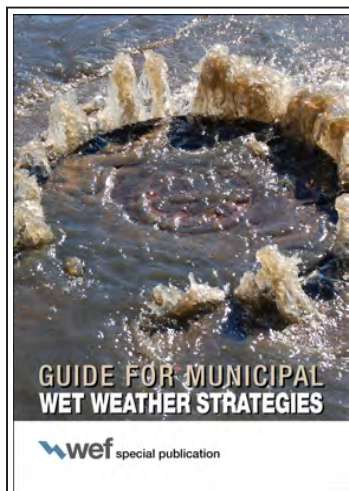


Fully revised and updated, this authoritative volume offers the most comprehensive information available on the maintenance, repair, rehabilitation, and replacement of existing sewers. This definitive guide covers sewer evaluation and monitoring, sewer rehabilitation methods and materials, and quality assurance. The Fourth Edition features new material on tools and procedures for pipe evaluation, infiltration and inflow problems and detection, rehabilitation materials and methods, and effective repair techniques.

The digital version is available on Access Water.



Guide for Municipal Wet Weather Strategies



Member/List Price: \$109.99/\$137.99

Product Number: P130004

Medium: Soft cover

Year: 2013

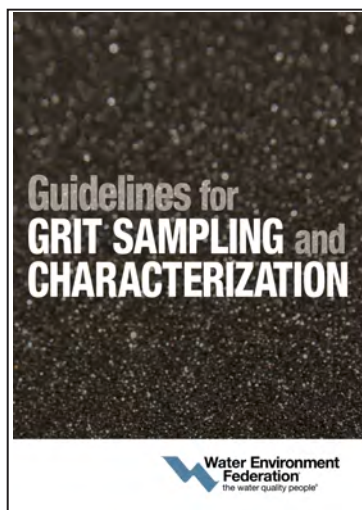
Pages: 164

Publisher: WEF

Guide for Municipal Wet Weather Strategies 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. All of this supports the proposition that to effectively manage flows and protect human health and the environment, the approach should be holistic and watershed-based.

The digital version is available on Access Water.

Guidelines for Grit Sampling and Characterization



Member/List Price: \$109.99/\$137.99

Product Number: P160002

Medium: Soft cover

Year: 2017

Pages: 124

Publisher: WEF

This book addresses the “last frontier” in liquid systems treatment by documenting and examining the methods currently in use. Driven by the industry’s increasing need to determine how grit can be better characterized, modeled, and reliably removed, this book is a first step toward understanding the implications of the methods selected and allowing for proper design and optimization of grit removal systems.

The digital version is available on Access Water.

International Standard Units for Water and Wastewater Processes, MOP 6

Member/List Price: \$44.99/\$55.99

Order Number: M110074

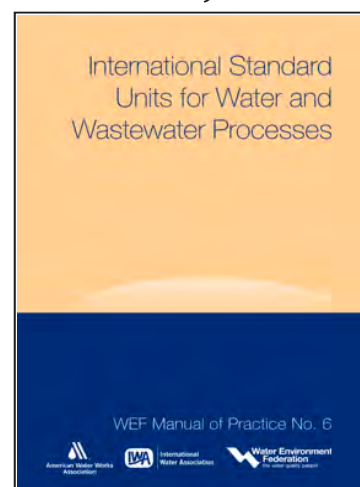
Medium: Soft cover

Year: 2011

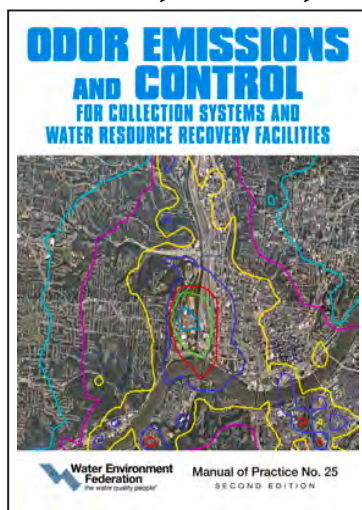
Pages: 108

Publisher: WEF

This updated 4th edition of this manual continues its goal to establish 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.



Odor Emissions and Control for Collection Systems and Water Resource Recovery Facilities, MOP25, 2nd Edition



Member/List Price: \$134.99/\$199.99

Order Number: P200003

Medium: Soft cover

Year: 2020

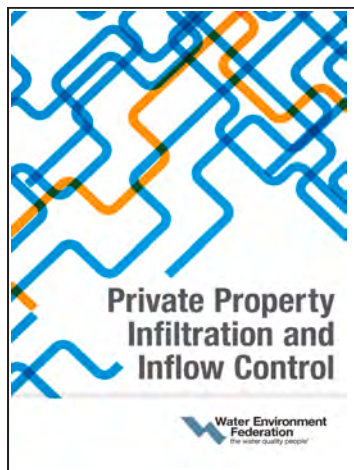
Pages: 425

Publisher: WEF

This manual is intended to be the primary reference document for current standards of practice for professionals involved in odor control at wastewater treatment facilities and collections systems. This manual covers all aspects of odor control in wastewater conveyance and treatment facilities, including the basics of odor testing and emissions, sensory analysis, local and state regulations, public outreach, and the technologies used to treat odors.

The digital version is available on Access Water.

Private Property Infiltration and Inflow Control



Member/List Price: \$109.99/\$137.99

Order Number: P160001

Medium: Soft cover

Year: 2016

Pages: 119

Publisher: WEF

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.

The digital version is available on Access Water.

Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards

Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

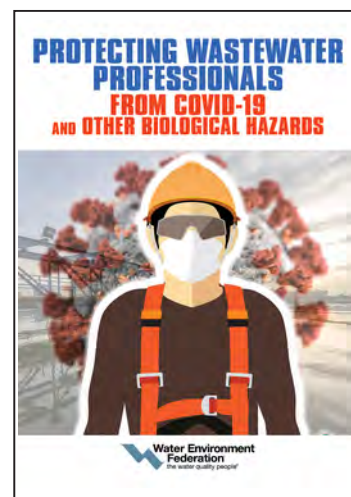
Year: 2020

Pages: 114

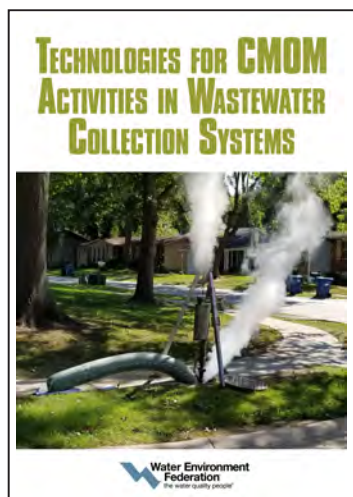
Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.



Technologies for CMOM Activities in Wastewater Collection Systems



Member/List Price: \$119.99/ \$149.99

Order Number: P220001

Medium: Soft cover

Year: 2022

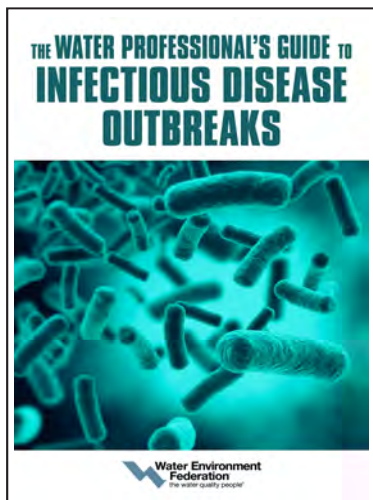
Pages: 120

Publisher: WEF

Many wastewater collection system operators have successfully adopted capacity, management, operations, and maintenance (CMOM) activities to move from reactive operation and maintenance (O&M) to more proactive O&M activities. This publication identifies technologies that can be applied to further this movement into more preventive and even predictive O&M activities and continue to reduce reactive O&M. The publication is particularly useful for supervisors, operators, and maintenance personnel.

The digital version is available on Access Water.

The Water Professionals Guide to Infectious Disease Outbreaks



Member/List Price: \$129.99/\$164.99

Order Number: P230002

Medium: Soft cover

Year: 2023

Pages: 364

Publisher: WEF



The *Water Professional's Guide to Infectious Disease Outbreaks* will help you understand and evaluate the vast amounts of information produced during outbreaks and make evidence-based decisions to protect both water professionals and the wider community. The publication covers pathogens, treatment practices, risk assessment, health and safety evaluation approaches, adaptations in facility management, communications, and wastewater surveillance.

The digital version is available on Access Water.

Trenchless Technology and Asset Management

Member/List Price: \$89.00/\$99.00

Order Number: W180001

Medium: Soft cover

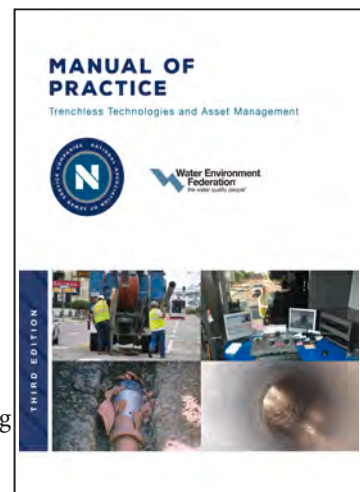
Year: 2019

Pages: 184

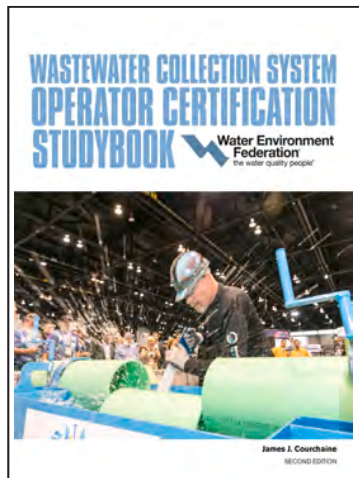
Publisher: WEF & NASSCO

This manual provides detailed coverage of the assessment and repair of pipeline infrastructure. Its contents are relevant for a broad range of positions within the water quality industry, including municipal managers, contractors, consultants, consulting engineers, and municipal staff engineers. The techniques addressed here have become increasingly important as the network of pipelines in the United States ages—educational materials and up-to-date information are critical as we are faced with the tasks of renewing and replacing that system.

You can find the digital version on Access Water.



Wastewater Collection System Operator Studybook, 2nd Edition



Member/List Price: \$89.99/\$109.99

Order Number: E180002

Medium: Soft cover

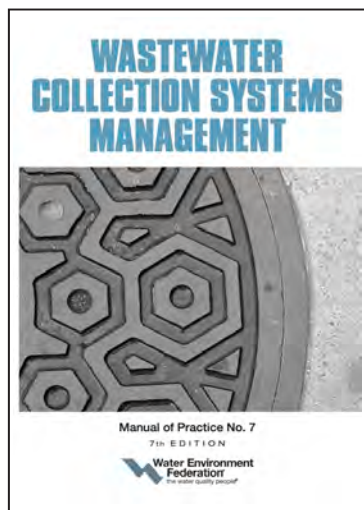
Year: 2019

Pages: 250

Publisher: WEF

The purpose of this study book is to help wastewater collection system operators expand knowledge in their chosen field and assist them in preparing for certification examinations. Experience has shown that practice with sample examination questions is extremely beneficial in preparing for these tests.

Wastewater Collection System Management, MOP 7, 7th Edition



Member/List Price: \$131.99/\$164.99

Order Number: P200003

Medium: Soft cover

Year: 2020

Pages: 425

Publisher: WEF

This manual is intended to be the primary reference document for current standards of practice for professionals involved in odor control at wastewater treatment facilities and collections systems. It covers all aspects of odor control in wastewater conveyance and treatment facilities, including the basics of odor testing and emissions, sensory analysis, local and state regulations, public outreach, and the technologies used to treat odors.

The digital version is available on Access Water.

WEF/ABC/C2EP Collection Systems Operators' Guide to Preparing for the Certification Examination

Member/List Price: \$83.99/\$114.99

Order Number: E140001

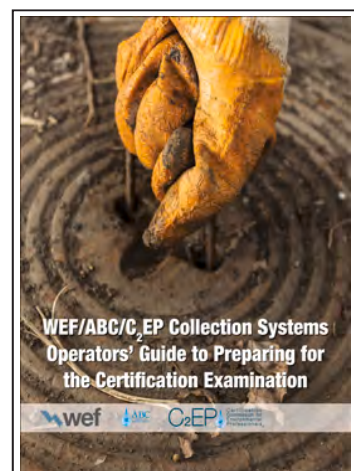
Medium: Soft cover

Year: 2014

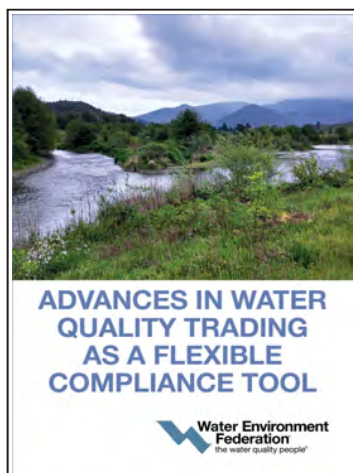
Pages: 94

Publisher: WEF

WEF/ABC/C2EP Collection Systems Operators' Guide to Preparing for the Certification Examination was prepared jointly by the Water Environment Federation, the Association of Boards of Certification, and the Certification Commission for Environmental Professionals (C2EP). The third edition of this critical study guide has been updated to reflect new Need-to-Know Criteria and core competencies for collection system operators.



Advances in Water Quality Trading as a Flexible Compliance Tool



Member/List Price: \$124.99/\$159.99

Order Number: P150004

Medium: Soft cover

Year: 2015

Pages: 342

Publisher: WEF

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.

The digital version is available on Access Water.

PFAS in the Water and Wastewater Sectors: Fundamentals, Management and Treatment

Member/List Price: \$154.99/\$189.99

Order Number: P230004

Medium: Soft cover

Year: 2023

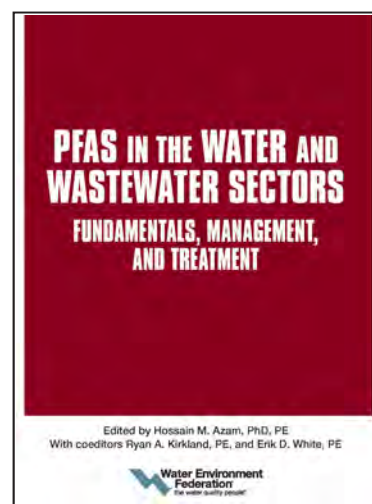
Pages: 532

Publisher: WEF

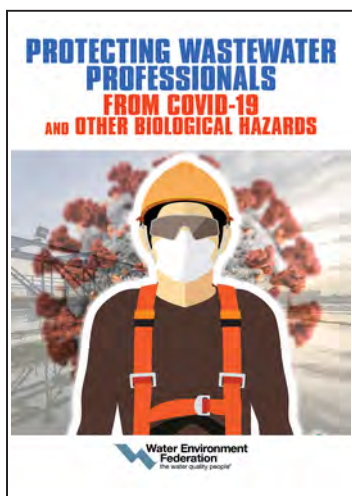


This collection of essays provides a state of the field on PFAS from a variety of perspectives within the water sector. Contributors include experts in industrial wastewater, municipal water management, and public health, with each contributor highlighting a different facet of the impact of PFAS in water and wastewater and providing guidance on the responses necessary to limit the chemicals' negative effects.

The digital version is available on Access Water.



Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards



Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

Year: 2020

Pages: 114

Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.

Safety, Health, and Security Standards for Water Resource Recovery, MOP 1, 7th Edition

Member/List Price: \$134.99/ \$169.99

Order Number: P210005

Medium: Soft cover

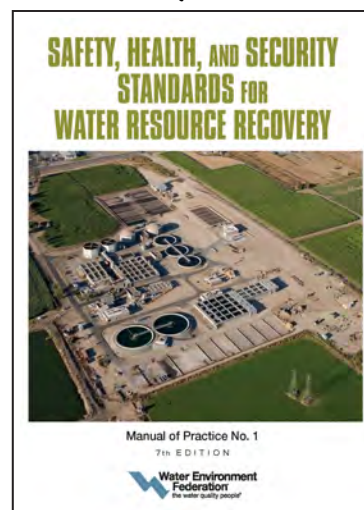
Year: 2021

Pages: 416

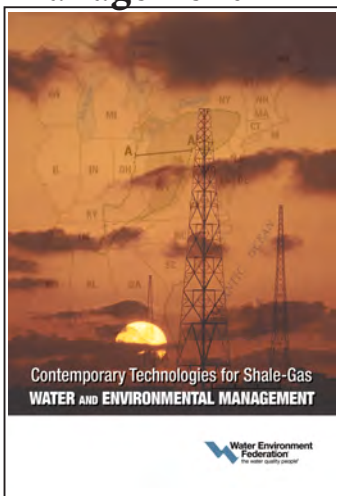
Publisher: WEF

This book serves as an injury-reduction tool to all those working in the wastewater field. It contains best practices for creating written safety programs and procedures as well as guidelines that describe how to perform a variety of tasks safely and securely. From the laboratory to collection systems applications, this Manual has recommendations that can help reduce injuries and ensure the ultimate safety and health of employees.

The digital version is available on Access Water.



Contemporary Technologies for Shale-Gas Water and Environmental Management



Member/List Price: \$99.99/\$124.99

Order Number: P120003

Medium: Soft cover

Year: 2012

Pages: 173

Publisher: WEF

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.

The digital version is available on Access Water.

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

Member/List Price: \$143.99/\$179.99

Order Number: WPM814

Medium: Soft cover

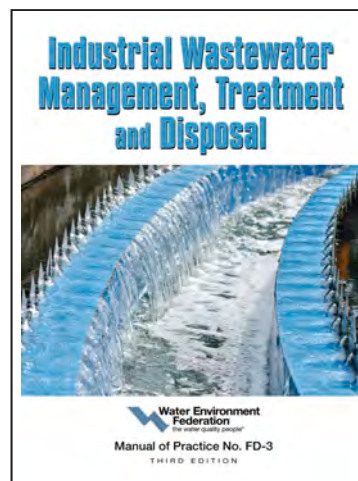
Year: 2008

Pages: 600

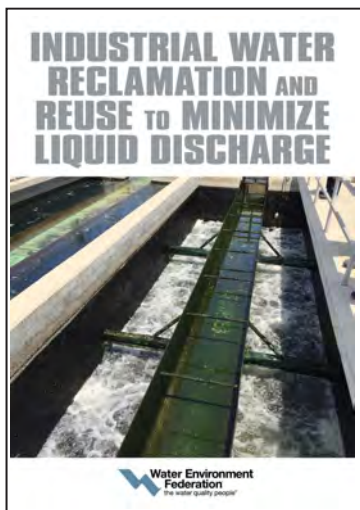
Publisher: WEF

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.

The digital version is available on Access Water.



Industrial Water Reclamation and Reuse to Minimize Liquid Discharge



Member/List Price: \$147.99/\$184.99

Order Number: P210001

Medium: Soft cover

Year: 2021

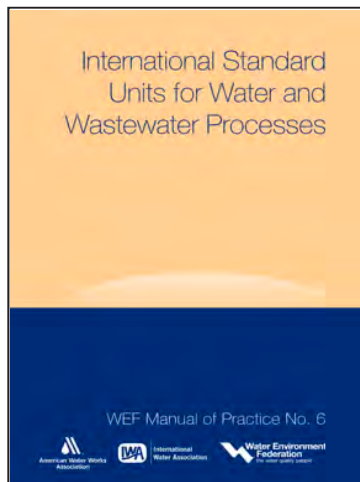
Pages: 560

Publisher: WEF

This publication serves as a comprehensive summary of water reclamation technologies and practices for minimizing liquid discharge for a broad range of industries. It begins with an overview of factors influencing industry to seek to minimize liquid discharges, followed by a review of alternative technologies, performance expectations, management framework, sustainability tools, and concludes with case studies with input from academia, equipment manufacturers, consultants, and industry.

The digital version is available on Access Water.

International Standard Units for Water and Wastewater Processes, MOP 6



Member/List Price: \$44.99/\$55.99

Order Number: M110074

Medium: Soft cover

Year: 2011

Pages: 108

Publisher: WEF

This updated 4th edition of this manual continues its goal to establish 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.

PFAS in the Water and Wastewater Sectors: Fundamentals, Management and Treatment

Member/List Price: \$154.99/\$189.99

Order Number: P230004 **Medium:**

Soft cover

Year: 2023

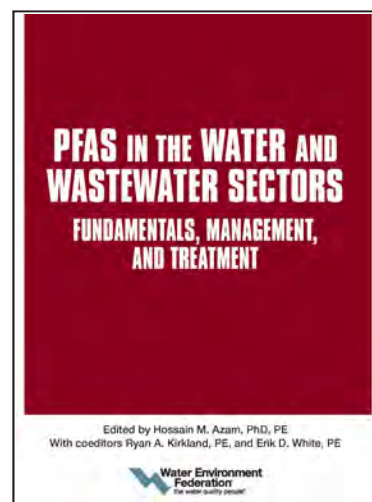
Pages: 532

Publisher: WEF

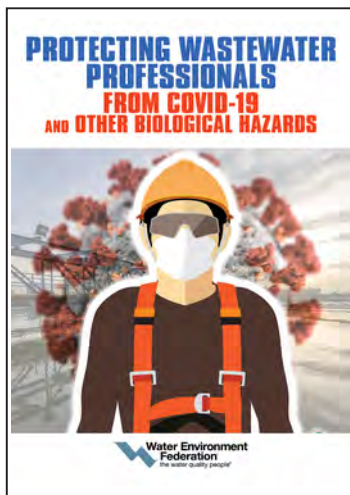


This collection of essays provides a state of the field on PFAS from a variety of perspectives within the water sector. Contributors include experts in industrial wastewater, municipal water management, and public health, with each contributor highlighting a different facet of the impact of PFAS in water and wastewater and providing guidance on the responses necessary to limit the chemicals' negative effects.

The digital version is available on Access Water.



Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards



Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

Year: 2020

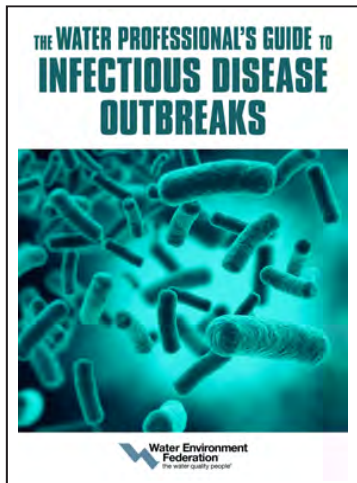
Pages: 114

Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.

The Water Professionals Guide to Infectious Disease Outbreaks



Member/List Price: \$129.99/\$164.99

Order Number: P230002

Medium: Soft cover

Year: 2023

Pages: 364

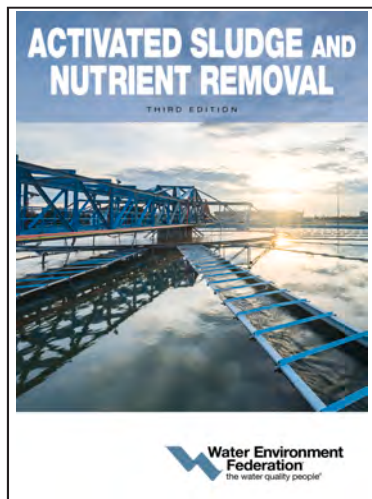
Publisher: WEF



The Water Professional's Guide to Infectious Disease Outbreaks will help you understand and evaluate the vast amounts of information produced during outbreaks and make evidence-based decisions to protect both water professionals and the wider community. The publication covers pathogens, treatment practices, risk assessment, health and safety evaluation approaches, adaptations in facility management, communications, and wastewater surveillance.

The digital version is available on Access Water.

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



Member/List Price: \$143.99/\$169.99

Order Number: P170004

Medium: Soft cover

Year: 2018

Pages: 480

Publisher: WEF

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.

The digital version is available on Access Water.

Basic Laboratory Procedures for the Operator–Analyst, 6th Edition

Member/List Price: \$119.99/\$149.99

Order Number: P220008 **Medium:**

Soft cover

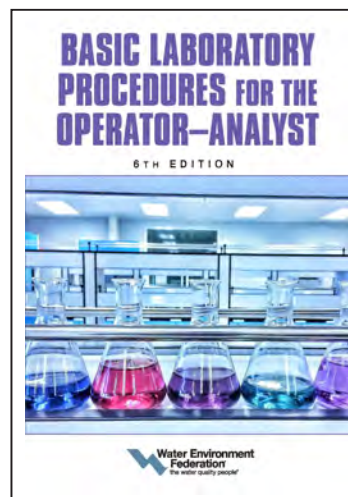
Year: 2022

Pages: 432

Publisher: WEF

This manual includes laboratory procedures most often performed in wastewater laboratories and includes 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.

The digital version is available on Access Water.



Disaster and Emergency Planning for Preparedness Response, and Recovery, 2nd Edition



Member/List Price: \$134.99/\$169.99

Order Number: P210006

Medium: Soft cover

Year: 2021

Pages: 246

Publisher: WEF

Disasters faced by water resource recovery facilities include infrastructure failure, natural disasters, human-induced accidents, and multi-hazard disasters. Written for utility managers, operators, consulting engineers, emergency response planners and professionals, and public officials, this publication helps stakeholders plan for a range of emergencies, respond when disaster strikes, and recover in the wake of the event.

The digital version is available on Access Water.

Energy in Water Resource Recovery Facilities, MOP 32, 2nd Edition

Member/List Price: \$151.99/\$191.99

Order Number: P210002

Medium: Soft cover

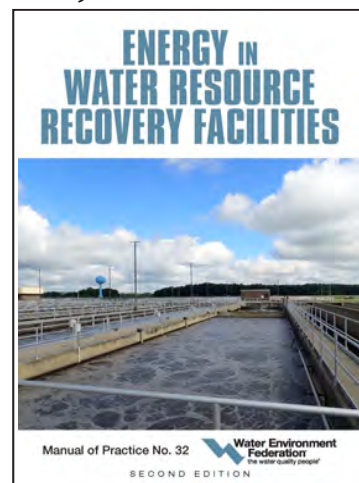
Year: 2021

Pages: 376

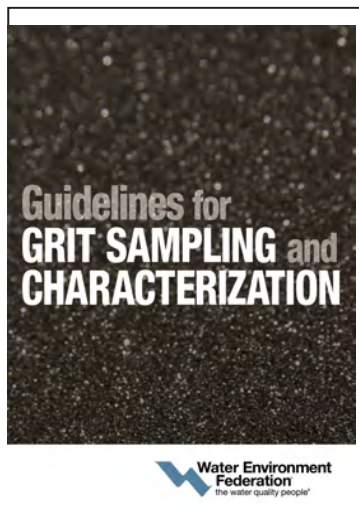
Publisher: WEF

This manual is intended to serve as a principal reference for contemporary practice for the energy-conscious design of water resource recovery facilities (WRRFs). It discusses principles and concepts of energy sources and their uses in the transport, treatment, and recovery of water and water resources.

The digital version is available on Access Water.



Guidelines for Grit Sampling and Characterization



Member/List Price: \$109.99/\$137.99

Product Number: P160002

Medium: Soft cover

Year: 2017

Pages: 124

Publisher: WEF

This book addresses the “last frontier” in liquid systems treatment by documenting and examining the methods currently in use. Driven by the industry’s increasing need to determine how grit can be better characterized, modeled, and reliably removed, this book is a first step toward understanding the implications of the methods selected and allowing for proper design and optimization of grit removal systems.

The digital version is available on Access Water.

International Standard Units for Water and Wastewater Processes

Member/List Price: \$44.99/\$55.99

Order Number: M110074

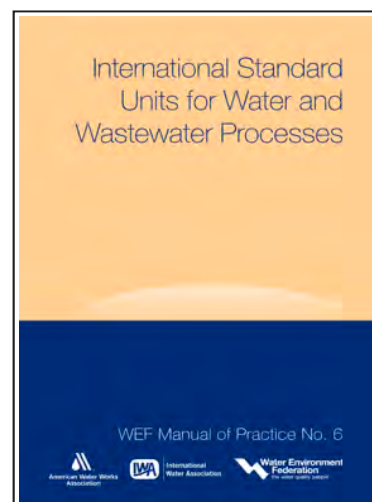
Medium: Soft cover

Year: 2011

Pages: 108

Publisher: WEF, AWWA & IWA

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.



Moving Toward Resource Recovery Facilities

Member/List Price: \$124.99/\$159.99

Order Number: P140001

Medium: Soft cover

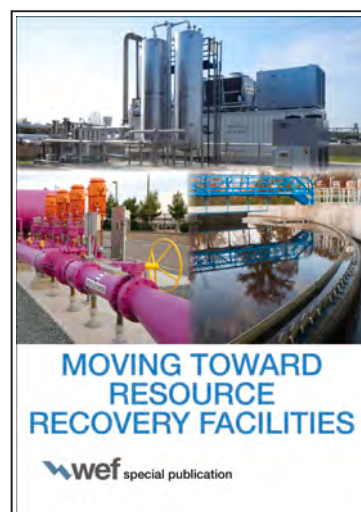
Year: 2014

Pages: 340

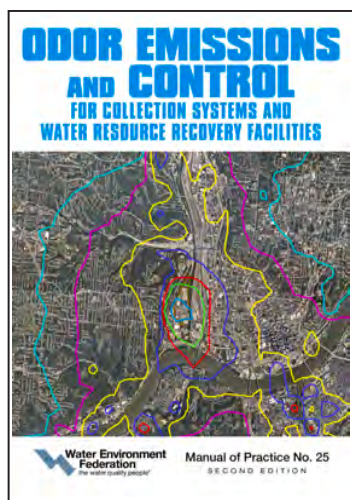
Publisher: WEF

Providing an overview of the fundamental drivers for resource recovery from wastewater and presenting the basic case for resource recovery, *Moving Toward 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. This allows facilities to take steps towards recycling a greater number of otherwise lost resources.

The digital version is available on Access Water.



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



Member/List Price: \$134.99/\$169.99

Order Number: P200003

Medium: Soft cover

Year: 2020

Pages: 425

Publisher: WEF

This manual is intended to be the primary reference document for current standards of practice for professionals involved in odor control at wastewater treatment facilities and collections systems. It covers all aspects of odor control in wastewater conveyance and treatment facilities, including the basics of odor testing and emissions, sensory analysis, local and state regulations, public outreach, and the technologies used to treat odors.

The digital version is available on Access Water.

Operation of Extended Aeration Package Plants, MOP OM-7

Member/List Price: \$89.99/\$109.99

Order Number: MM4024

Medium: Soft cover

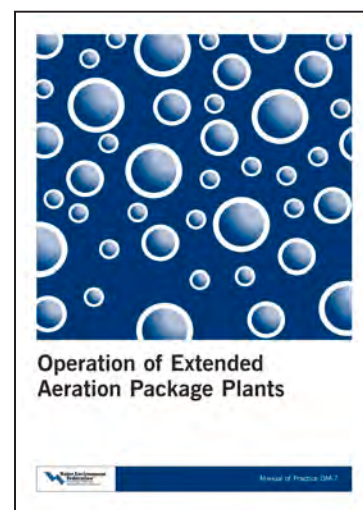
Year: 2004

Pages: 175

Publisher: WEF

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.

The digital version is available on Access Water.



Operation of Water Resource Recovery Facilities Study Guide

Member/List Price: \$59.00/\$1149.99

Order Number: P170002

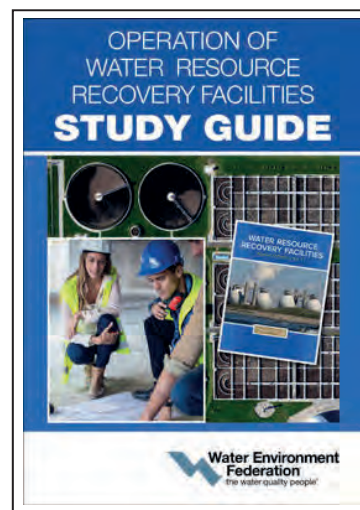
Medium: Soft cover

Year: 2018

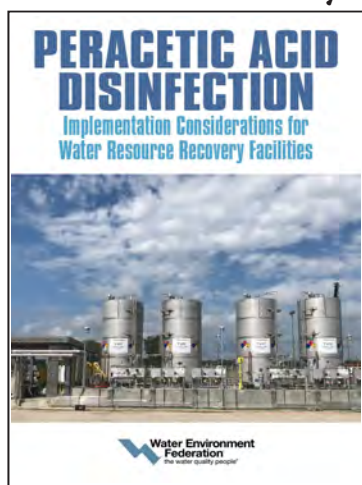
Pages: 300

Publisher: WEF

This book 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.



Peracetic Acid Disinfection – Implementation Considerations for Water Resource Recovery Facilities



Member/List Price: \$124.99/\$159.99

Order Number: P200002

Medium: Soft cover

Year: 2020

Pages: 336

Publisher: WEF

This publication aims to provide an overview of the chemistry and kinetics of peracetic acid (PAA) disinfection, along with information for design, permitting, and implementation of the technology.

The digital version is available on Access Water.

Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards

Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

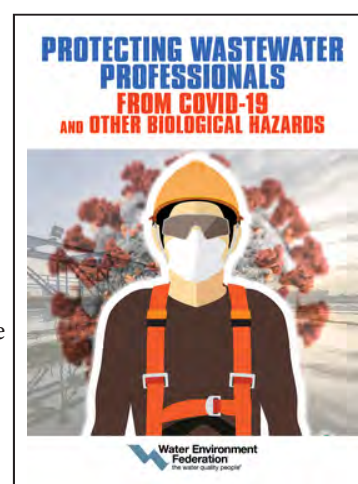
Year: 2020

Pages: 114

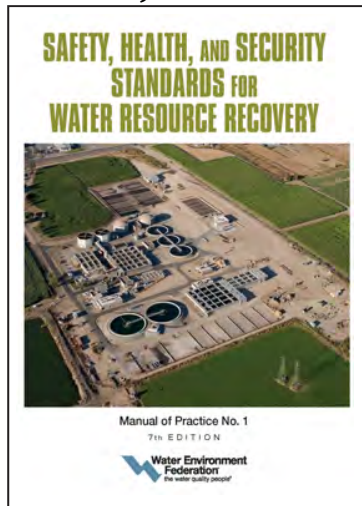
Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.



Safety, Health, and Security Standards for Water Resource Recovery MOP 1, 7th Edition



Member/List Price: \$134.99/ \$169.99

Order Number: P210005

Medium: Soft cover

Year: 2021

Pages: 416

Publisher: WEF

This book serves as an injury-reduction tool to all those working in the wastewater field. It contains best practices for creating written safety programs and procedures as well as guidelines that describe how to perform a variety of tasks safely and securely. From the laboratory to collection systems applications, this Manual has recommendations that can help reduce injuries and ensure the ultimate safety and health of employees.

The digital version is available on Access Water.

Standards for Automation of Water Resource Recovery Facilities, WEF 21-24



Member/List Price: \$154.99/\$189.99

Order Number: P240005

Medium: Soft cover

Year: 2024

Pages: 607

Publisher: WEF



Automation has become an integral component of water treatment, with new technologies and applications constantly being developed and producing increases in efficiency and reliability. *Standards for Automation of Water Resource Recovery Facilities, WEF 21-24* introduces the reader to the elements of complete automation design and the standards that govern those elements. Ideal for designers, utility managers, and operators.

The digital version is available on Access Water.

Standards of Operation of Nutrient Removal Facilities, WEF 37-24

Member/List Price: \$144.99/\$179.99

Order Number: P240006

Medium: Soft cover

Year: 2024

Pages: 470

Publisher: WEF

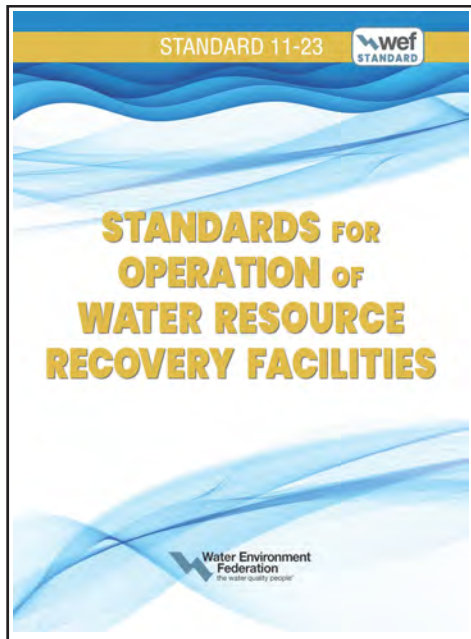


Standards for Operation of Nutrient Removal Facilities, WEF 37-24, covers the fundamental biological and chemical processes that are in use at nutrient removal facilities and the ways that operators may use, monitor, and control these processes to meet their facility's treatment goals. It is a valuable resource not only for plant managers and operators, but also design engineers and regulators. This latest edition references the most up-to-date technologies and practices for nutrient removal and includes both new and updated case studies.

The digital version is available on Access Water.



Standards for Operation of Water Resource Recovery Facilities, WEF 11-23



Member/List Price: \$224.99/\$279.99

Order Number: P230005

Medium: Hard cover

Year: 2023

Pages: 1,434

Publisher: WEF



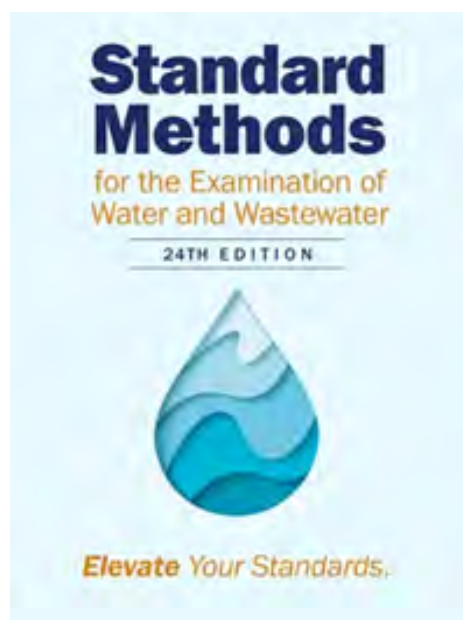
Water resource recovery facility operators and maintenance staff are responsible for the protection of the environment and public health by ensuring excellent process control and equipment function. The processes and equipment used at these facilities are very complex and require continuous training. This edition of *Standards for Operation of Water Resource Recovery Facilities, WEF 11* is designed to ensure that these critical personnel have the information they need to understand each process, make informed process control decisions, and recognize the basic requirements of preventive maintenance and troubleshooting.

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

The digital version is available on Access Water.

Standard Methods for the Examination of Water and Wastewater, 24th Edition



Member/List Price: \$225.00/\$435.00

Order Number: S82017

Medium: Hard cover

Year: 2023

Pages: 1,504

Publisher: APHA, AWWA & WEF



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 24th 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
- Fully searchable text
- 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, 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



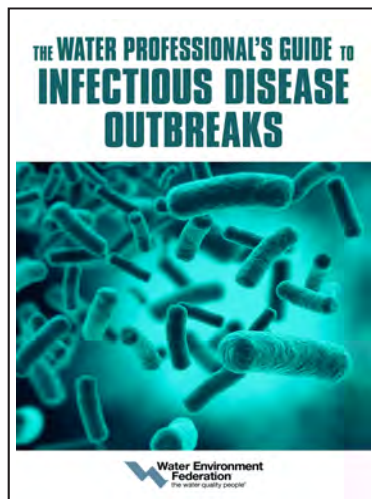
American Water Works
Association

www.awwa.org



www.wef.org

The Water Professionals Guide to Infectious Disease Outbreaks



Member/List Price: \$129.99/\$164.99

Order Number: P230002

Medium: Soft cover

Year: 2023

Pages: 364

Publisher: WEF



The *Water Professional's Guide to Infectious Disease Outbreaks* will help you understand and evaluate the vast amounts of information produced during outbreaks and make evidence-based decisions to protect both water professionals and the wider community. The publication covers pathogens, treatment practices, risk assessment, health and safety evaluation approaches, adaptations in facility management, communications, and wastewater surveillance.

The digital version is available on Access Water.

The Wastewater Operator's Guide to Preparing for the Certification Examination

Member/List Price: \$83.99/\$114.99

Order Number: E160001

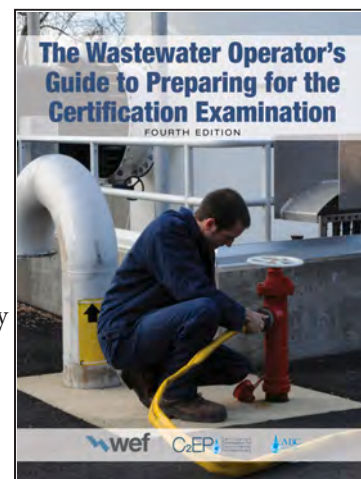
Medium: Soft cover

Year: 2016

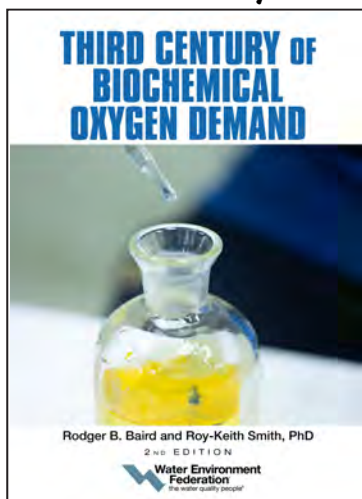
Pages: 154

Publisher: ABC, C2EP, & WEF

The approximately 200 questions included in this guide have been chosen to sample as many different aspects of a wastewater operator's job responsibilities as possible. Questions in the study guide are intended to provide an example of style and possible topics for certification exam questions.



Third Century Of Biochemical Oxygen Demand, 2nd Edition



Member/List Price: \$143.99/179.99

Order Number: P220005

Medium: Soft cover

Year: 2022

Pages: 508

Publisher: WEF

This book is intended to serve three purposes: first and foremost, is to describe BOD as a test procedure and biological phenomenon; secondly, to describe the place of BOD within the complex of testing that is used to evaluate treatment processes; lastly, is to present the development of BOD and preserve all peer-reviewed literature citations that mark the road to the current test.

The digital version is available on Access Water.

Ultraviolet Disinfection for Wastewater: Low-Dose Application Guidance for Secondary and Tertiary Discharges



Member/List Price: \$109.99/\$137.99

Order Number: P150001

Medium: Soft cover

Year: 2015

Pages: 210

Publisher: WEF

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.

The digital version is available on Access Water.

Wastewater Biology: The Habitats

Member/List Price: \$84.99/\$104.99

Order Number: P09106

Medium: Soft cover

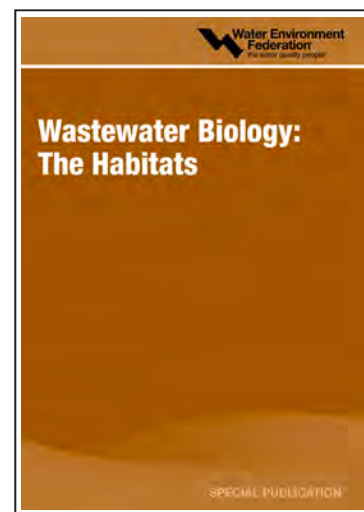
Year: 2000

Pages: 127

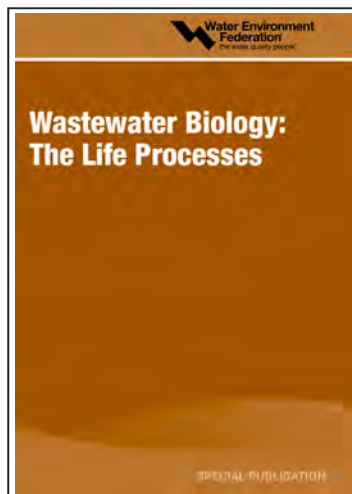
Publisher: WEF

Written with a minimum of technical jargon, the text provides not only an identification of commonly occurring organisms and their basic roles in wastewater treatment but also a description of their habitats and the way these habitats and operational conditions interact. This book can be used as an operational and troubleshooting text, a reference text, or an educational resource.

The digital version is available on Access Water.



Wastewater Biology: The Life Processes



Member/List Price: \$84.99/\$104.99

Order Number: P04114

Medium: Soft cover

Year: 1994

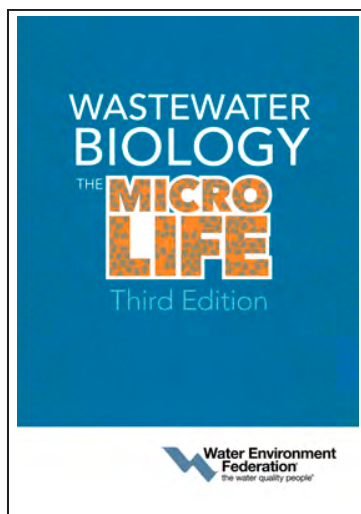
Pages: 210

Publisher: WEF

Easy to understand guide in the Wastewater Biology Series. For operators and technicians involved in the biological aspects of wastewater treatment. Reviews bacteria and metabolic/life processes involved in wastewater and sludge stabilization; environmental conditions and concerns; operational measures needed to monitor, correct, or enhance the life processes; and much more.

The digital version is available on Access Water.

Wastewater Biology: The Microlife



Member/List Price: \$83.99/\$104.99

Order Number: P170001

Medium: Soft cover

Year: 2017

Pages: 364

Publisher: WEF

This publication explores the organ-isms 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.

The digital version is available on Access Water.

Wastewater Collection System Operator Certification Studybook, 2nd Edition

Member/List Price: \$89.99/\$104.99

Order Number: E180002

Medium: Soft cover

Year: 2019

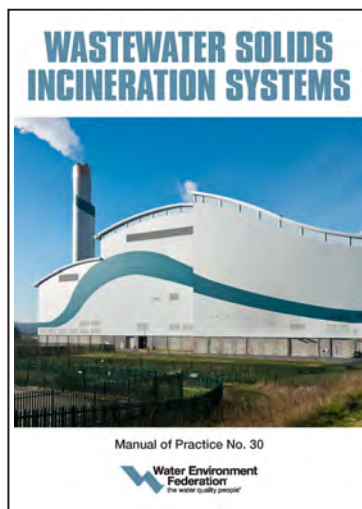
Pages: 250

Publisher: WEF

This studybook will help wastewater collection system operators expand their knowledge of their chosen field and assist them in preparing for certification examinations. The questions presented here cover the following broad categories: background knowledge, support systems, operation and maintenance, supervision and management, safety procedures, design and construction, electrical pumps and motors, and mathematics.



Wastewater Solids Incineration Systems, MOP 30



Member/List Price: \$124.99/\$159.99

Order Number: W09002

Medium: Soft cover

Year: 2009

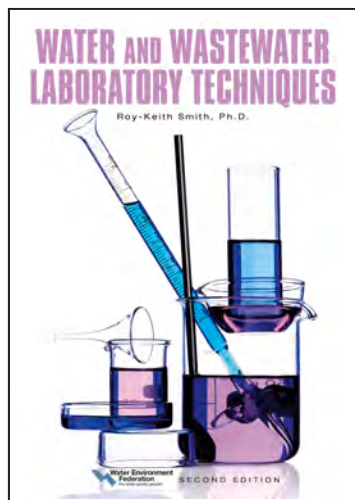
Pages: 360

Publisher: WEF

This comprehensive manual offers you expert incineration guidance for biosolids and wastewater applications, covering current practice and environmentally friendly choices. The book fully explains the safety, permitting, design, operations, and maintenance of the incineration process.

The digital version is available on Access Water.

Water and Wastewater Laboratory Techniques, 2nd Edition



Member/List Price: \$119.99/\$149.99

Order Number: P190001

Medium: Soft cover

Year: 2019

Pages: 238

Publisher: WEF

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.

The digital version is available on Access Water.

WEF/ABC Biosolids Land Appliers Guide to Preparing for the Certification Examination

Member/List Price: \$83.99/\$114.99

Order Number: E110076

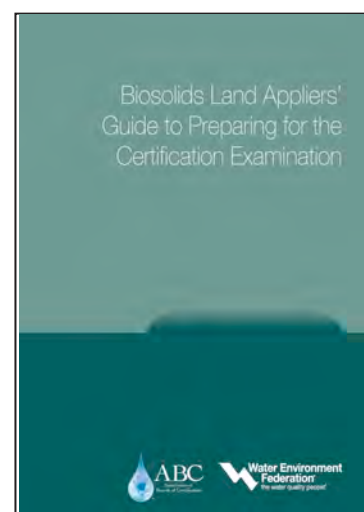
Medium: Soft cover

Year: 2012

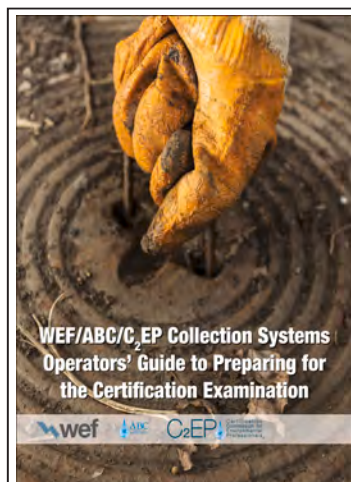
Pages: 57

Publisher: WEF

This printed study guide accompanies Association of Boards of Certification's (ABC's) recently established Biosolids Land Appliers Certification Program as a means to assist individuals as they prepare for their certification exam. It includes sample questions for the seven core competencies of the two skill levels (Biosolids Land Appliers Class 1 and 2). Sample questions references specific technical resources recommended by ABC.



WEF/ABC/C2EP Collection Systems Operators' Guide to Preparing for the Certification Examination



Member/List Price: \$83.99/\$114.99

Order Number: E140001

Medium: Soft cover

Year: 2014

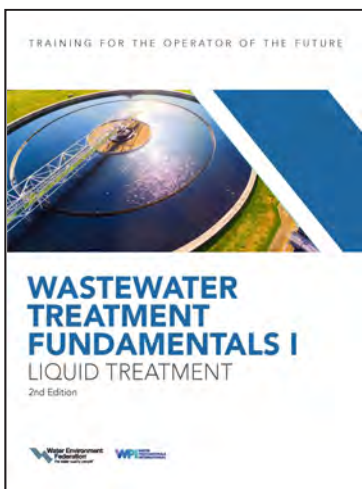
Pages: 94

Publisher: WEF

This guide was prepared jointly by the Water Environment Federation, the Association of Boards of Certification, and the Certification Commission for Environmental Professionals (C2EP).. The questions included in this guide have been chosen to sample as many different aspects of a collection system operator's job responsibilities as possible.

Wastewater Treatment Fundamentals Training Series

Wastewater Treatment Fundamentals I, Liquid Treatment, 2nd Edition



Member/List Price: \$104.99/\$144.99

Order Number: E240001

Medium: Soft cover

Year: 2024

Pages: 842

Publisher: WEF/WPI

Wastewater Treatment Fundamentals I: Liquid Treatment, 2nd edition 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. After learning from real-life examples, users can apply the material they learn to situations they encounter in their day-to-day work. **English print edition is also available with final exam only for \$154.99/194.99.**

The first edition is available in Spanish, Mandarin and Vietnamese. The digital version is available in English and Spanish on Access Water.

Wastewater Treatment Fundamentals II, Solids Handling and Support Systems

Member/List Price: \$104.99/\$144.99

Order Number: E210001

Medium: Soft cover

Year: 2021

Pages: 760

Publisher: WEF/WPI

Wastewater Treatment Fundamentals II—Solids Handling and Support Systems covers all aspects of solids handling and support systems and helps operators prepare for the first three levels of certification examinations. In addition to learning the basics of solids handling, operators will gain a thorough understanding of critical aspects of thickening, dewatering, and aerobic digesting.

Print is also available in Spanish, The digital version is available in English and Spanish on Access Water.



Wastewater Treatment Fundamentals III, Advanced Treatment



Member/List Price: \$104.99/\$144.99

Order Number: E220001

Medium: Soft cover

Year: 2022

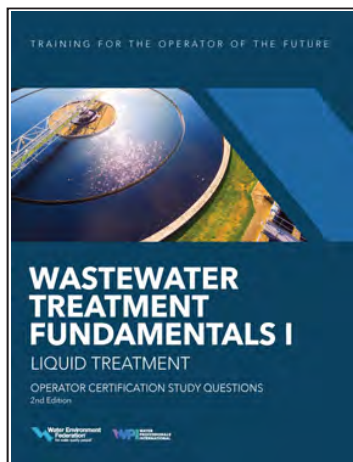
Pages: 557

Publisher: WEF/WPI

Wastewater Treatment Fundamentals III—Advanced Treatment covers advanced wastewater treatment and helps operators prepare for the third and fourth levels of certification examinations. Operators will gain a thorough understanding of critical aspects of membranes, industrial wastewater and pretreatment, physical and chemical treatment, advanced activated sludge, instrumentation, SCADA, leadership and management, sludge sampling, solids management, stabilization, odor control, safety considerations, nontraditional disinfection, and water reuse.

The digital version is available on Access Water.

Wastewater Treatment Fundamentals I, Liquid Treatment Operator Certification Study Questions, 2nd Edition



Member/List Price: \$83.99/\$114.99

Order Number: E240002

Medium: Soft cover

Year: 2024

Pages: 172

Publisher: WEF/WPI

The more than 800 study questions and answers in this study companion represent all aspects of liquid treatment processes and help operators prepare for the first three levels of certification examinations.

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

Member/List Price: \$99/\$139

This online course is great for both visual and verbal learners! The course includes the 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 II, Solids Handling and Support Systems Operator Certification Study Questions

Member/List Price: \$83.99/\$114.99

Order Number: E210002

Medium: Soft cover

Year: 2021

Pages: 166

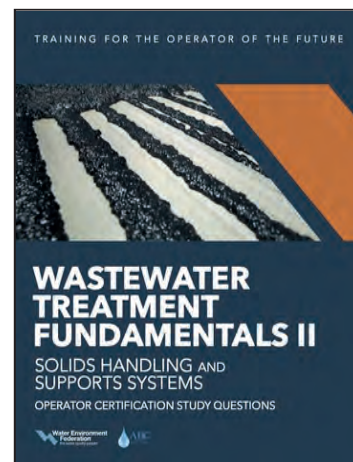
Publisher: WEF/WPI

The more than 950 study questions and answers in this study companion represent all aspects of liquid treatment processes and help operators prepare for the first three levels of certification examinations.

Wastewater Treatment Fundamentals II, Solids Handling and Support System Online Course and Final Exam

Member/List Price: \$99/\$139

This online course is great for both visual and verbal learners! The course includes the online course and final exam. *Wastewater Treatment Fundamentals II: Solids Handling and Support Systems* covers all aspects of liquid treatment processes and helps operators prepare for the first three levels of certification examinations.



Wastewater Treatment Fundamentals III, Advanced Treatment Operator Certification Study Questions



Member/List Price: \$83.99/\$114.99

Order Number: E220002

Medium: Soft cover

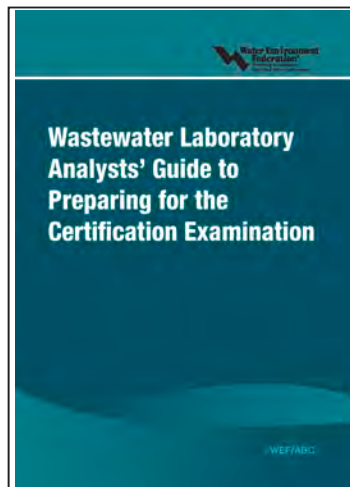
Year: 2022

Pages: 166

Publisher: WEF/WPI

The more than 950 study questions and answers in this study companion represent all aspects of liquid treatment processes and help operators prepare for the first three levels of certification examinations.

WEF/ABC Wastewater Laboratory Analyst Guide to Preparing for the Certification Examination



Member/List Price: \$83.99/\$114.99

Order Number: E00017

Medium: Soft cover

Year: 2000

Pages: 294

Publisher: WEF

Through multiple-choice questions, this guide tests at various levels the skills and knowledge required by laboratory analysts working at wastewater treatment plants. The guide contains more than 400 questions and answers, on 19 different topics, chosen to sample many aspects of an analyst's job. Each answer is accompanied by a page-specific reference to direct students to sources of additional information. Detailed solution sets are provided for answers requiring mathematical computation.

Wet Weather Design and Operation in Water Resource Recovery Facilities

Member/List Price: \$124.99/\$159.99

Order Number: P140002

Medium: Soft cover

Year: 2014

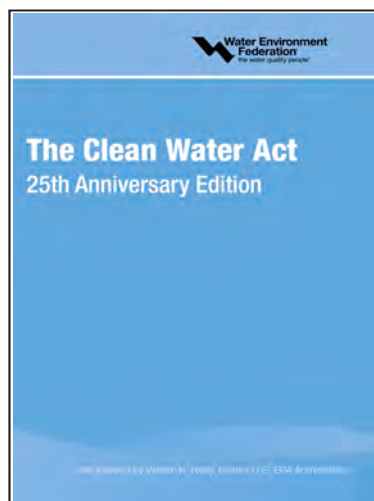
Pages: 306

Publisher: WEF

This manual provides professionals involved in the field with a comprehensive reference of current design and operational practices for dealing with the unique challenges associated with the proper management of wet weather flows. This text focuses on providing a wet weather flow management perspective to the subject matter previously covered by the widely relied upon design practitioner resource.



The Clean Water Act, 25th Anniversary Edition



Member/List Price: \$134.99/\$169.99

Order Number: P07110

Medium: Soft cover

Year: 1997

Pages: 445

Publisher: WEF

This 25th Anniversary Edition of the Clean Water Act is a must-have user's guide. Includes the Federal Water Pollution Control Act of 1972 as codified at Title 33 of the U.S. Code and a foreword by William K. Reilly, former U.S. EPA Administrator. Also contains a historical perspective on the changes, successes and challenges of the Clean Water Act in the past 25 years and a brand new section on key CWA program areas.

Odor Emissions and Control for Collection Systems and Water Resource Recovery Facilities

Member/List Price: \$134.99/\$169.99

Order Number: P200003

Medium: Soft cover

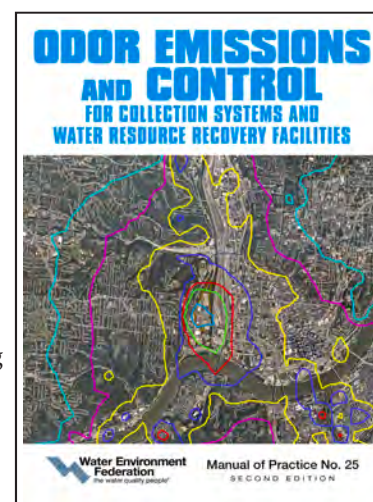
Year: 2020

Pages: 425

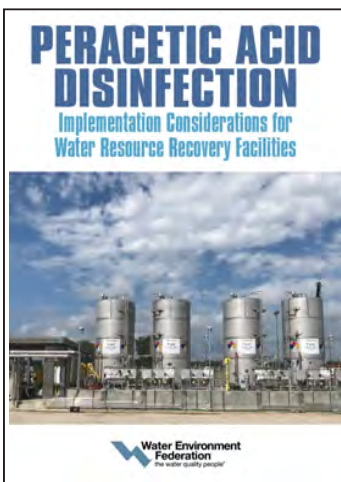
Publisher: WEF

This manual is intended to be the primary reference document for current standards of practice for professionals involved in odor control at wastewater treatment facilities and collections systems. It covers all aspects of odor control in wastewater conveyance and treatment facilities, including the basics of odor testing and emissions, sensory analysis, local and state regulations, public outreach, and the technologies used to treat odors.

The digital version is available on Access Water.



Peracetic Acid Disinfection – Implementation Considerations for Water Resource Recovery Facilities



Member/List Price: \$124.99/\$159.99

Order Number: P200002

Medium: Soft cover

Year: 2020

Pages: 336

Publisher: WEF

This publication aims to provide an overview of the chemistry and kinetics of peracetic acid (PAA) disinfection, along with information for design, permitting, and implementation of the technology.

The digital version is available on Access Water.

Why Water's Worth It

Member/List Price: \$16.99/\$18.99

Order Number: P190001

Medium: Hard cover

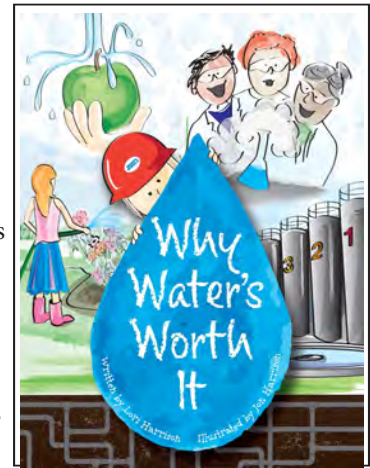
Year: 2018

Pages: 42

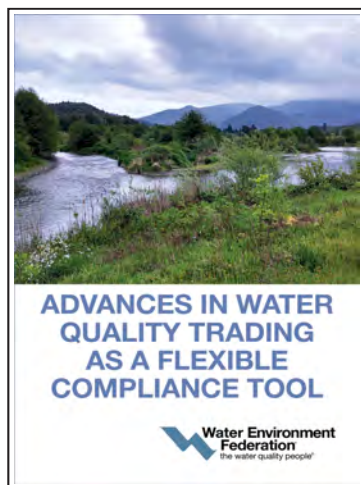
Publisher: WEF

This educational picture book is about a little girl with a big story to tell – Why Water's Worth It. With her nose buried in her book, she carries young readers through the world of cleanwater, how it's managed, and the importance of everyone working together to protect it. Written for 4- to 8-year-olds but with appeal to readers of all ages, this book uses fun, engaging illustrations and rhyming text to present a simple explanation of a complex process while encouraging personal responsibility and thoughtful, "green" choices. To help small hands become big heroes, the book includes a list of small ways to make a big difference and cool facts to help explain why water's worth it!

This storybook is available in English, Spanish and French.



Advances in Water Quality Trading as a Flexible Compliance Tool



Member/List Price: \$124.99/\$145.99

Order Number: P150004

Medium: Soft cover

Year: 2015

Pages: 342

Publisher: WEF

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.

The digital version is available on Access Water.

Design and Construction of Urban Stormwater Management Systems

Member/List Price: \$94.50/\$126.00

Order Number: 0MFD20

Medium: Soft cover

Year: 1992

Pages: 724

Publisher: WEF

Design for stormwater management systems that meets tomorrow's tough regulatory standards. Contains the latest in design practices and concepts. Experts in every related discipline take you step-by-step through the design process, from regulatory and legal considerations to modeling techniques and structural principles.



Design of Urban Stormwater Controls, MOP 23, 2nd Edition



Member/List Price: \$134.99/\$169.99

Order Number: W120001

Medium: Soft cover

Year: 2012

Pages: 705

Publisher: WEF

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 digital version is available on Access Water.

Green Infrastructure Implementation



Member/List Price: \$134.99/\$169.99

Order Number: P140003

Medium: Soft cover

Year: 2014

Pages: 491

Publisher: WEF

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.

The digital version is available on Access Water.

International Standard Units for Water and Wastewater Processes, MOP 6

Member/List Price: \$44.99/\$55.99

Order Number: M110074

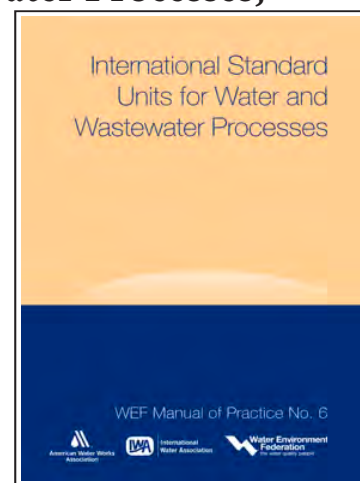
Medium: Soft cover

Year: 2011

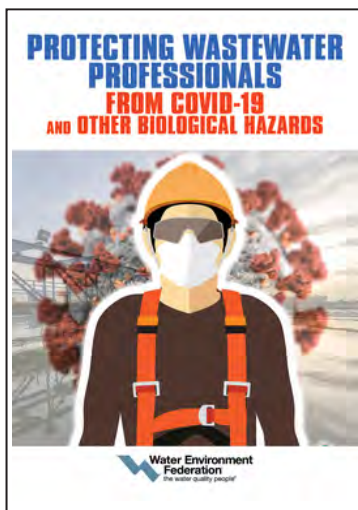
Pages: 108

Publisher: WEF, AWWA & IWA

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.



Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards



Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

Year: 2020

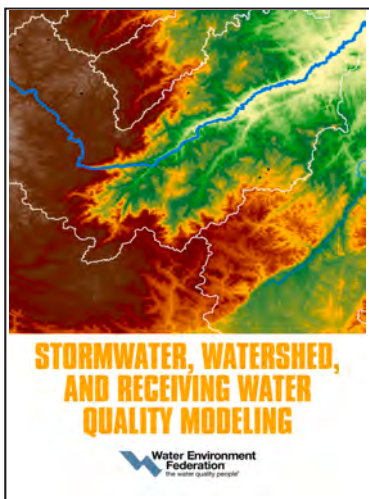
Pages: 114

Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.

Stormwater, Watershed, and Receiving Water Quality Modeling



Member/List Price: \$124.99/\$159.99

Order Number: P200001

Medium: Soft cover

Year: 2020

Pages: 196

Publisher: WEF

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.

The digital version is available on Access Water.

Urban Stormwater Controls Operations and Maintenance, MOP 39

Member/List Price: \$138.00/\$173.00

Order Number: P220006 **Medium:**

Soft cover

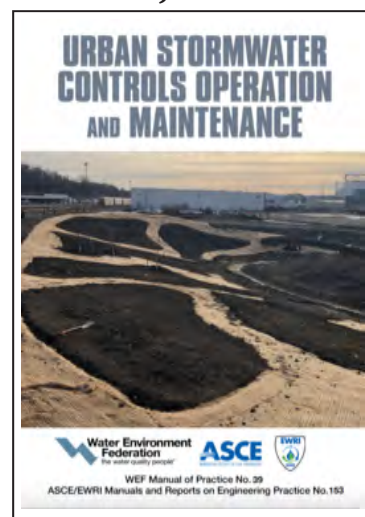
Year: 2022

Pages: 412

Publisher: WEF

This manual meets that need with best practices for maintenance programs, as well as case studies to show how a variety of utilities have implemented them. The material covered will be of particular use to designers of SCMs, utility managers, and O&M staff.

The digital version is available on Access Water.



User-Fee-Funded Stormwater Programs



Member/List Price: \$99.99/\$124.99

Order Number: P130005

Medium: Soft cover

Year: 2013

Pages: 196

Publisher: WEF

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.

The digital version is available on Access Water.

Affordability of Wastewater Service, 2nd Edition

Member/List Price: \$117.99/\$143.99

Order Number: P220003

Medium: Soft cover

Year: 2022

Pages: 114

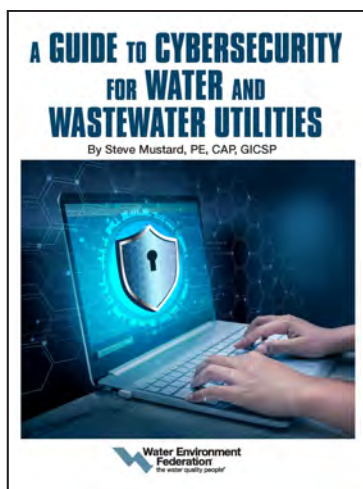
Publisher: WEF

Affordability concerns affect utilities and the local communities they serve. This publication provides an overview of the topic and offers specific considerations that elected officials, utility managers, and utility staff should consider when addressing affordability issues.

The digital version is available on Access Water.



A Guide to Cybersecurity for Water and Wastewater Utilities



Member/List Price: \$151.99/\$134.99

Order Number: P240007

Medium: Soft cover

Year: 2024

Pages: 186

Publisher: WEF



This book is intended to help water and wastewater utility managers and operators navigate the complex world of cybersecurity. It provides accessible guidance on how utilities of all sizes can manage their risks, focus their resources, and implement controls to keep their facilities and their communities safe. This includes creating a culture of good cybersecurity internally and managing relations with third-party contractors.

The digital version is available on Access Water.

Disaster and Emergency Planning for Preparedness Response, and Recovery, 2nd Edition

Member/List Price: \$134.99/\$169.99

Order Number: P210006

Medium: Soft cover

Year: 2021

Pages: 246

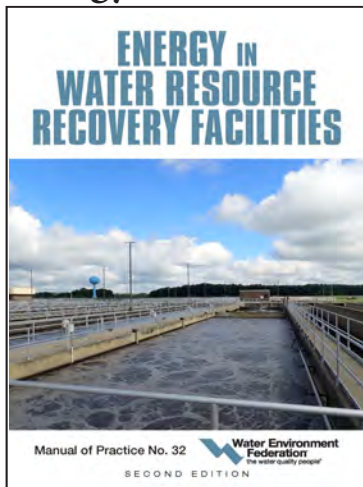
Publisher: WEF

Disasters faced by water resource recovery facilities include infrastructure failure, natural disasters, human-induced accidents, and multi-hazard disasters. Written for utility managers, operators, consulting engineers, emergency response planners and professionals, and public officials, this publication helps stakeholders plan for a range of emergencies, respond when disaster strikes, and recover in the wake of the event.

The digital version is available on Access Water.



Energy in Water Resource Recovery Facilities, MOP 32, 2nd Edition



Member/List Price: \$151.99/\$191.99

Order Number: P210002

Medium: Soft cover

Year: 2021

Pages: 376

Publisher: WEF

This manual is intended to serve as a principal reference for contemporary practice for the energy-conscious design of water resource recovery facilities (WRRFs). It discusses principles and concepts of energy sources and their uses in the transport, treatment, and recovery of water and water resources.

The digital version is available on Access Water.

Financing and Charges for Wastewater Systems, MOP 27, 4th Edition

Member/List Price: \$124.99/\$159.99

Order Number: P180001

Medium: Soft cover

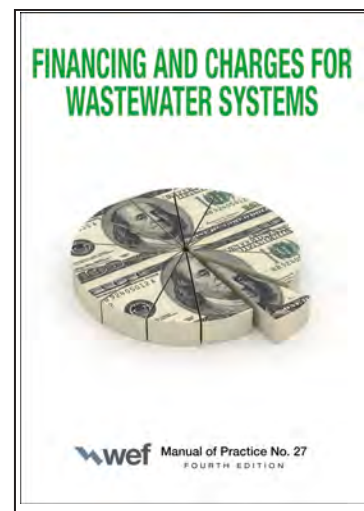
Year: 2018

Pages: 340

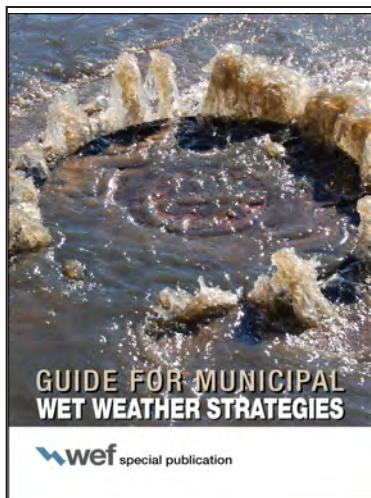
Publisher: WEF

This manual reflects and is responsive to changes in the industry over the last decade that have occasioned a heightened awareness about wastewater utility financial management and the distribution of cost responsibilities across customer groups or classes. These changes, including tightening environmental regulation and replacement of aging infrastructure, have resulted in a pronounced increase in the cost of wastewater services.

The digital version is available on Access Water.



Guide for Municipal Wet Weather Strategies



Member/List Price: \$109.99/\$137.99

Order Number: P130004

Medium: Soft cover

Year: 2013

Pages: 146

Publisher: WEF

This comprehensive manual offers you expert incineration guidance for biosolids and wastewater applications, covering current practice and environmentally friendly choices. The book fully explains the safety, permitting, design, operations, and maintenance of the incineration process.

The digital version is available on Access Water.

Implementing Asset Management: A Practical Guide

Member/List Price: \$75.00/\$95.00

Order Number: P07011

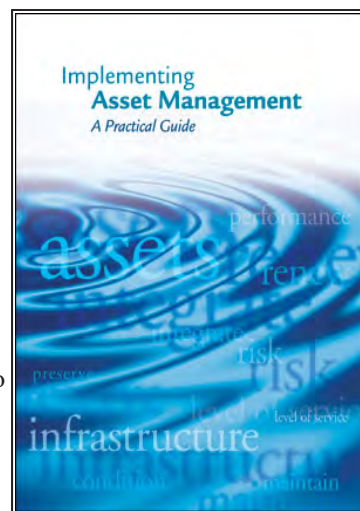
Medium: Soft cover

Year: 2007

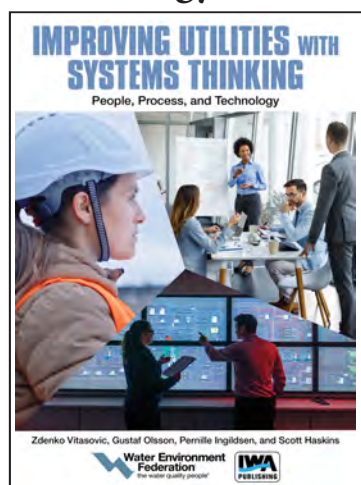
Pages: 80

Publisher: WEF

Implementing Asset Management: A Practical Guide provides utility professionals a step-by-step guide to continued improvement in the management of their infrastructure assets. The concepts and processes presented are applicable to utilities of all sizes. Depending on the availability of resources, utilities can address their infrastructure assets at a broad, system-wide level by grouping assets or drill-down to individual assets components and elements.



Improving Utilities with Systems Thinking: People, Process, and Technology



Member/List Price: \$97.50/\$130.00

Order Number: P220007

Medium: Soft cover

Year: 2022

Pages: 138

Publisher: International Water Association & WEF

Improving Utilities with Systems Thinking: People, Process, and Technology is a tool for utility leaders to better understand how groups can work together to ensure better performance; value to the organization, community, and environment; coherence; and well-being of the utility through the application of systems thinking and a methodology for improvement.

The digital version is available on Access Water.

International Standard Units for Water and Wastewater Processes, MOP 6

Member/List Price: \$44.99/\$55.99

Order Number: M110074

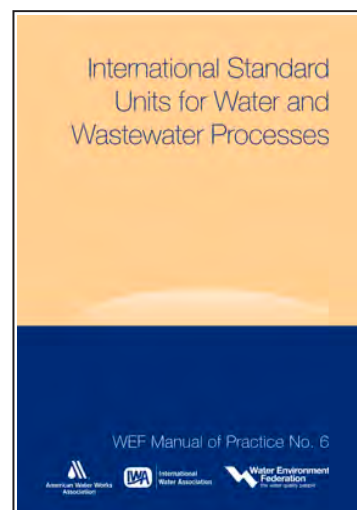
Medium: Soft cover

Year: 2011

Pages: 108

Publisher: WEF, AWWA & IWA

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.



Moving Toward Resource Recovery Facilities

Member/List Price: \$124.99/\$159.99

Order Number: P140001

Medium: Soft cover

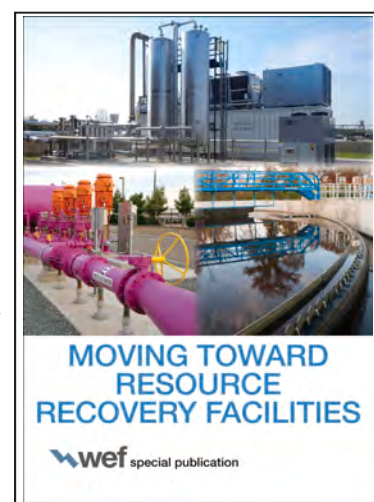
Year: 2014

Pages: 340

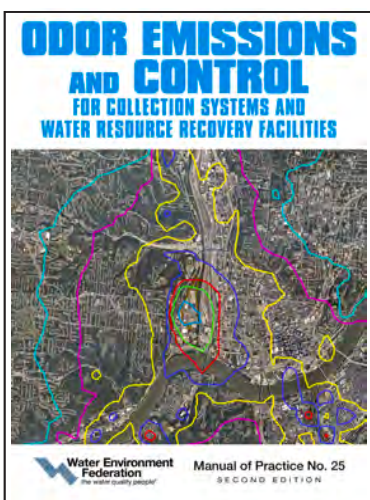
Publisher: WEF

Providing an overview of the fundamental drivers for resource recovery from wastewater and presenting the basic case for resource recovery, this book 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. This allows facilities to take steps towards recycling a greater number of otherwise lost resources.

The digital version is available on Access Water.



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



Member/List Price: \$127.99/\$159.99

Order Number: P200003

Medium: Soft cover

Year: 2020

Pages: 425

Publisher: WEF

This manual is intended to be the primary reference document for current standards of practice for professionals involved in odor control at wastewater treatment facilities and collections systems. It covers odor control in wastewater conveyance and treatment facilities, including the basics of odor testing and emissions, sensory analysis, local and state regulations, public outreach, and the latest technologies to treat odors.

The digital version is available on Access Water.

Peracetic Acid Disinfection – Implementation Considerations for Water Resource Recovery Facilities

Member/List Price: \$119.99/\$149.99

Order Number: P200002

Medium: Soft cover

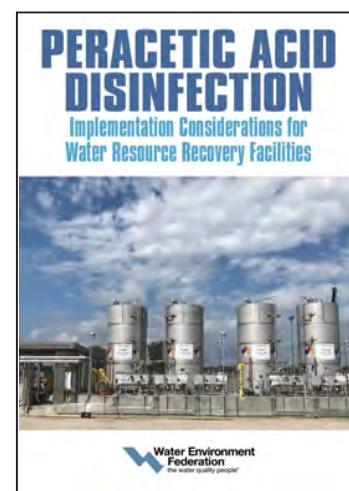
Year: 2020

Pages: 336

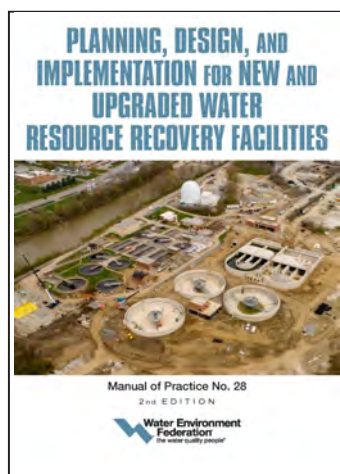
Publisher: WEF

This publication aims to provide an overview of the chemistry and kinetics of peracetic acid (PAA) disinfection, along with information for design, permitting, and implementation of the technology.

The digital version is available on Access Water.



Planning, Design and Implementation for New and Upgraded Water Resource Recovery Facilities, MOP 28, 2nd Edition



Member/List Price: \$137.99/\$169.99

Order Number: P210003

Medium: Soft cover

Year: 2020

Pages: 270

Publisher: WEF

Utilities are faced with many challenges in their mission to manage wastewater, protect the water environment, and use resources wisely. Meeting these challenges can require significant upgrades to the nature or size of their facilities. This manual serves as a guidance document to help utility managers and others navigate this complex process.

The digital version is available on Access Water.

Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards

Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

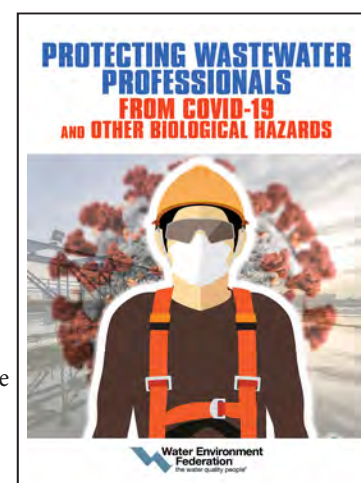
Year: 2020

Pages: 114

Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.



Solids Process Design and Management, 2nd Edition



Member/List Price: \$183.99/\$229.99

Order Number: P230001

Medium: Soft cover

Year: 2023

Pages: 1,080

Publisher: WEF



Intended for use by professionals engaged in the design, approval, and operation of solids treatment and disposal systems, this update addresses many of the changes that have occurred over the past decade, incorporating material published as recently as 2022. Wastewater continues to require increasing levels of treatment, especially as we begin to consider our facilities as water resource recovery facilities. This will yield more solids that, at the least, need to be managed in an efficient and effective manner to protect human health and the environment. Preferably, we can treat these solids as resources, recovering biogas from the digestion process and phosphorus from the biosolids.

The digital version is available on Access Water.

Standards for Automation of Water Resource Recovery Facilities, WEF 21-24

Member/List Price: \$154.99/\$189.99

Order Number: P240005

Medium: Soft cover

Year: 2024

Pages: 607

Publisher: WEF

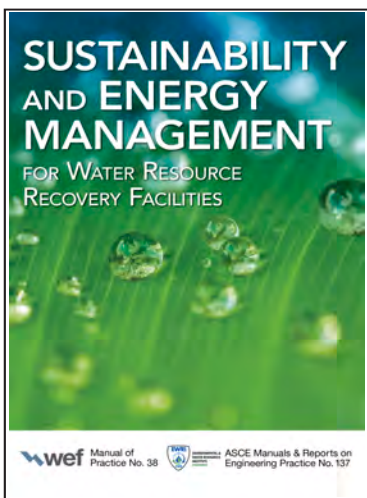


Automation has become an integral component of water treatment, with new technologies and applications constantly being developed and producing increases in efficiency and reliability. *Standards for Automation of Water Resource Recovery Facilities, WEF 21-24* introduces the reader to the elements of complete automation design and the standards that govern those elements. Ideal for designers, utility managers, and operators.

The digital version is available on Access Water.



Sustainability and Energy Management for Water Resource Recovery Facilities



Member/List Price: \$79.99/\$99.99

Order Number: P170005

Medium: Soft cover

Year: 2018

Pages: 74

Publisher: WEF & ASCE

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.

The digital version is available on Access Water.

The Effective Water Professional: Leadership, Communication, Management, Finance, and Governance

Member/List Price: \$124.00/\$155.00

Order Number: P150005

Medium: Soft cover

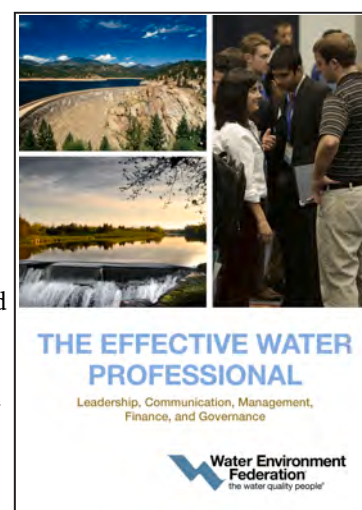
Year: 2015

Pages: 288

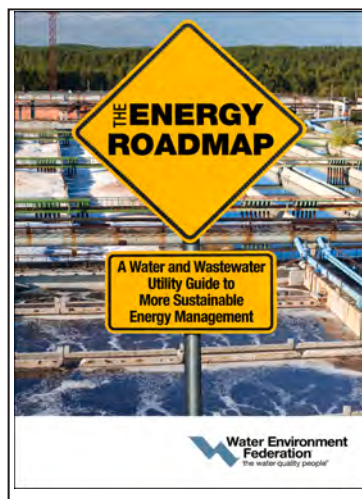
Publisher: WEF

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.

The digital version is available on Access Water.



The Energy Roadmap



Member/List Price: \$94.99/\$119.99

Order Number: P130001

Medium: Soft cover

Year: 2013

Pages: 148

Publisher: WEF & ASCE

This book 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. **Also available in French.**

The digital version is available on Access Water.

The Nutrient Roadmap

Member/List Price: \$99.99/\$124.99

Order Number: P150002

Medium: Soft cover

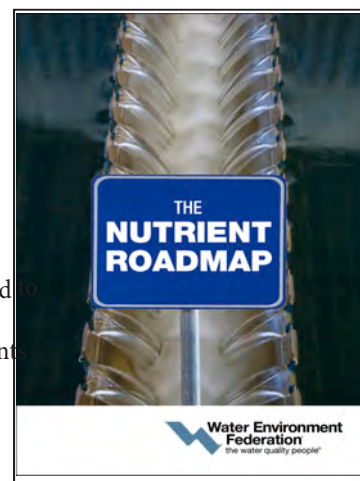
Year: 2015

Pages: 184

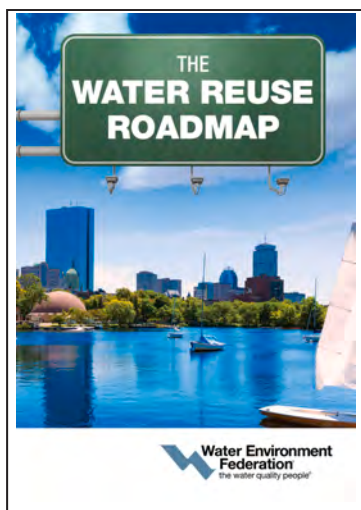
Publisher: WEF

The Nutrient Roadmap, written to help utilities achieve the goal of a zero net impact with regard to nutrient discharges by 2040, is a 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.

The digital version is available on Access Water.



The Water Reuse Roadmap



Member/List Price: \$99.99/\$124.99

Order Number: P150002

Medium: Soft cover

Year: 2015

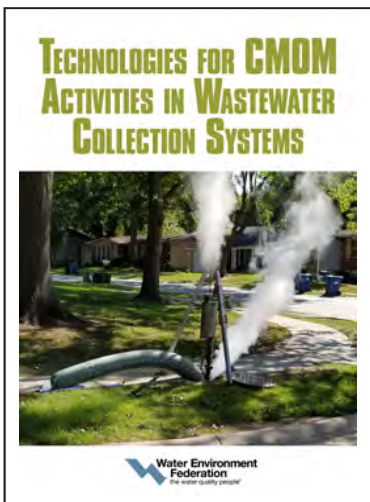
Pages: 184

Publisher: WEF

The Water Reuse Roadmap is an overview of 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.

The digital version is available on Access Water.

Technologies for CMOM Activities in Wastewater Collection Systems



Member/List Price: \$119.99/\$149.99

Order Number: P220001

Medium: Soft cover

Year: 2022

Pages: 120

Publisher: WEF

This publication identifies technologies that can be applied to further this movement into more preventive and even predictive O&M activities and continue to reduce reactive O&M. The increased use of innovative technology, smart data, system optimization, and real-time controls will enhance optimization of O&M budgets and contribute to an overall reduction in life-cycle costs.

The digital version is available on Access Water.

Ultraviolet Disinfection for Wastewater: Low-Dose Application Guidance for Secondary and Tertiary Discharges

Member/List Price: \$109.99/\$137.99

Order Number: P150001

Medium: Soft cover

Year: 2015

Pages: 210

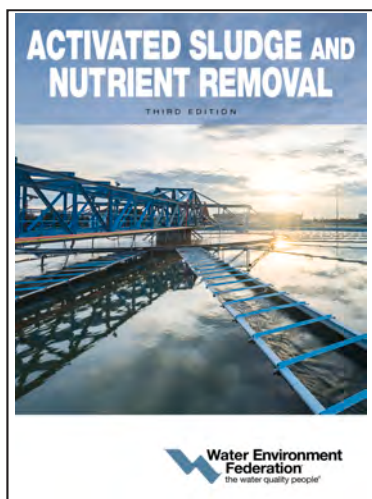
Publisher: WEF

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.

The digital version is available on Access Water.



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



Member/List Price: \$143.99/\$169.99

Order Number: P170004

Medium: Soft cover

Year: 2018

Pages: 480

Publisher: WEF

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.

The digital version is available on Access Water.

Basic Laboratory Procedures for the Operator–Analyst, 6th Edition

Member/List Price: \$119.99/\$149.99

Order Number: P220008 **Medium:**

Soft cover

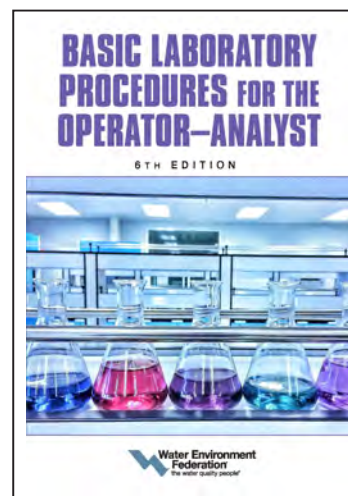
Year: 2022

Pages: 432

Publisher: WEF

This manual includes laboratory procedures most often performed in wastewater laboratories and includes 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.

The digital version is available on Access Water.



Disaster and Emergency Planning for Preparedness Response, and Recovery, 2nd Edition



Member/List Price: \$134.99/\$169.99

Order Number: P210006

Medium: Soft cover

Year: 2021

Pages: 246

Publisher: WEF

Disasters faced by water resource recovery facilities include infrastructure failure, natural disasters, human-induced accidents, and multi-hazard disasters. Written for utility managers, operators, consulting engineers, emergency response planners and professionals, and public officials, this publication helps stakeholders plan for a range of emergencies, respond when disaster strikes, and recover in the wake of the event.

The digital version is available on Access Water.

Energy in Water Resource Recovery Facilities, MOP 32, 2nd Edition

Member/List Price: \$151.99/\$191.99

Order Number: P210002

Medium: Soft cover

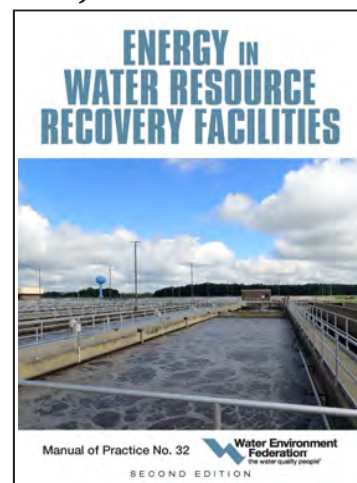
Year: 2021

Pages: 376

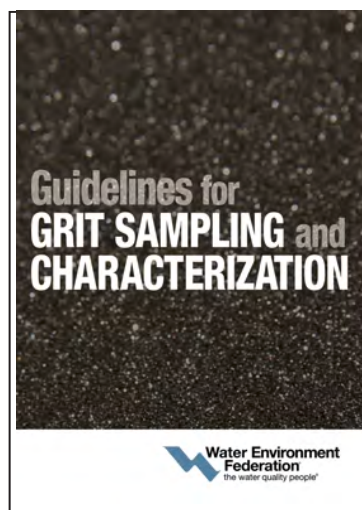
Publisher: WEF

This manual is intended to serve as a principal reference for contemporary practice for the energy-conscious design of water resource recovery facilities (WRRFs). It discusses principles and concepts of energy sources and their uses in the transport, treatment, and recovery of water and water resources.

The digital version is available on Access Water.



Guidelines for Grit Sampling and Characterization



Member/List Price: \$109.99/\$137.99

Product Number: P160002

Medium: Soft cover

Year: 2017

Pages: 124

Publisher: WEF

This book addresses the “last frontier” in liquid systems treatment by documenting and examining the methods currently in use. Driven by the industry’s increasing need to determine how grit can be better characterized, modeled, and reliably removed, this book is a first step toward understanding the implications of the methods selected and allowing for proper design and optimization of grit removal systems.

The digital version is available on Access Water.

Information Technology in Water and Wastewater Utilities, MOP 33, 2nd edition

Member/List Price: \$134.99/\$174.99

Order Number: P220002

Medium: Soft cover

Year: 2022

Pages: 274

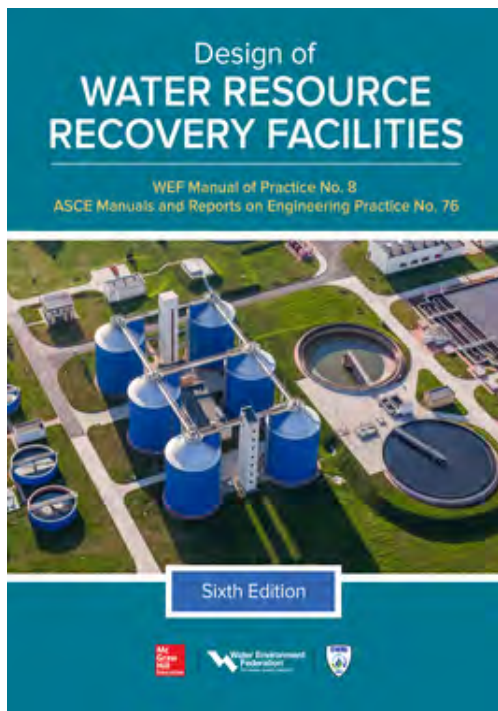
Publisher: WEF

Technology and utilities’ application of technology has evolved significantly since the original publication of MOP 33, yet many of the core principles for the successful application of information technology (IT) remain. This new edition covers the same fundamental principles and most common systems addressed in the first edition, while updating areas where the application of technology has changed significantly and highlighting areas of growing focus or concern, including cybersecurity and data governance.

The digital version is available on Access Water.



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



Member/List Price: \$242.99/\$325.00

Order Number: W170001

Medium: Hard cover

Year: 2018

Pages: 2,416

Publisher: WEF Press & ASCE

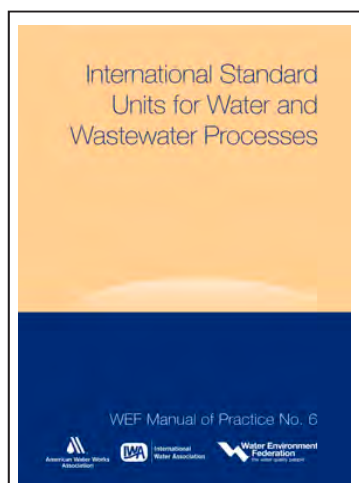
Now offered as one volume, this thoroughly revised resource from the Water Environment Federation and the Environmental and Water Resources Institute of the American Society of Civil Engineers offers comprehensive coverage of water resource recovery facility design. The book fully explains all water 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

The digital version is available on Access Water.

International Standard Units for Water and Wastewater Processes, MOP 6



Member/List Price: \$44.99/\$55.99

Order Number: M110074

Medium: Soft cover

Year: 2011

Pages: 108

Publisher: WEF, AWWA & IWA

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.

Membrane Bioreactors, MOP 36, 2nd edition

Member/List Price: \$144.99/\$179.99

Order Number: P240002

Medium: Softcover

Year: 2024

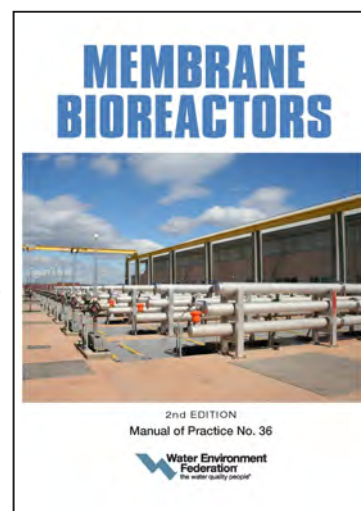
Pages: 240

Publisher: WEF

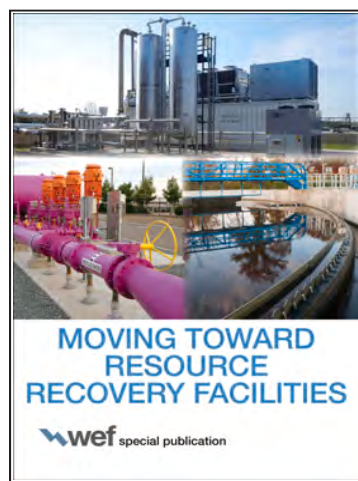


This resource presents the best practices for the use of membrane bioreactors for wastewater treatment. The book begins with an overview of membrane and biological process fundamentals, followed by coverage of membrane bioreactor system integrated process design. The chapters discuss the physical design of features unique to membrane bioreactors and the procurement of membrane equipment. This authoritative manual also covers the operation of properly designed membrane bioreactor facilities.

The digital version is available on Access Water.



Moving Toward Resource Recovery Facilities



Member/List Price: \$124.99/\$159.99

Order Number: P140001

Medium: Soft cover

Year: 2014

Pages: 340

Publisher: WEF

Providing an overview of the fundamental drivers for resource recovery from wastewater and presenting the basic case for resource recovery, Moving Toward 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. This allows facilities to take steps towards recycling a greater number of otherwise lost resources.

The digital version is available on Access Water.

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

Member/List Price: \$104.99/\$131.99

Order Number: M090048

Medium: Soft cover

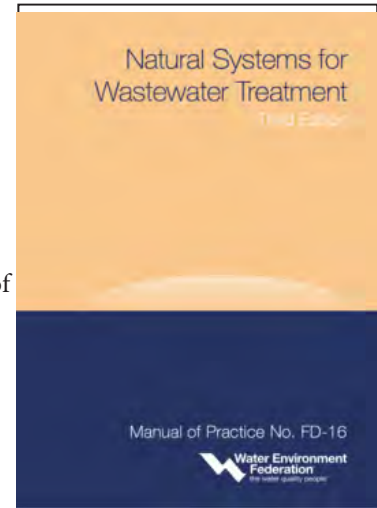
Year: 2010

Pages: 506

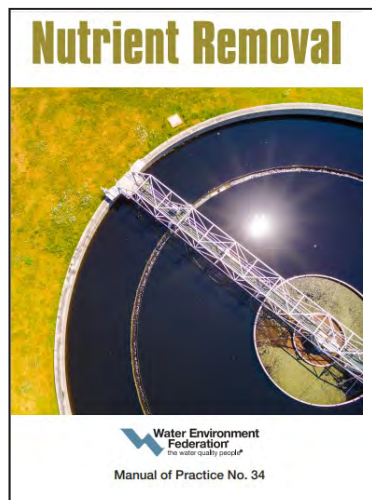
Publisher: WEF

Natural wastewater treatment systems typically require fewer operational personnel, consume less energy, and produce less solids than mechanical systems. This Manual of Practice 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.

The digital version is available on Access Water.



Nutrient Removal, MOP 34



Member/List Price: \$143.99/\$179.99

Order Number: W100060

Medium: Soft cover

Year: 2010

Pages: 664

Publisher: WEF

This manual provides comprehensive information on biological and chemical methods for nitrogen and phosphorus removal from wastewater. 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. Natural treatment systems are also discussed in this definitive guide.

The digital version is available on Access Water.

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

Member/List Price: \$134.99/\$169.99

Order Number: P200003

Medium: Soft cover

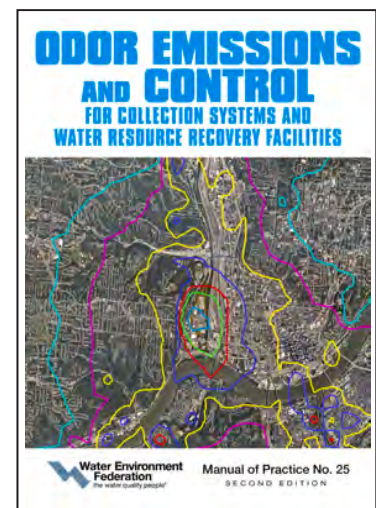
Year: 2020

Pages: 425

Publisher: WEF

This manual is intended to be the primary reference document for current standards of practice for professionals involved in odor control at wastewater treatment facilities and collections systems. It covers all aspects of odor control in wastewater conveyance and treatment facilities, including the basics of odor testing and emissions, sensory analysis, local and state regulations, public outreach, and the technologies used to treat odors.

The digital version is available on Access Water.



Operation of Extended Aeration Package Plants, MOP OM-7



Member/List Price: \$89.99/\$109.99

Order Number: MM4024

Medium: Soft cover

Year: 2004

Pages: 175

Publisher: WEF

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.

The digital version is available on Access Water.

Operation of Water Resource Recovery Facilities Study Guide

Member/List Price: \$59.00/\$89.00

Order Number: P170002

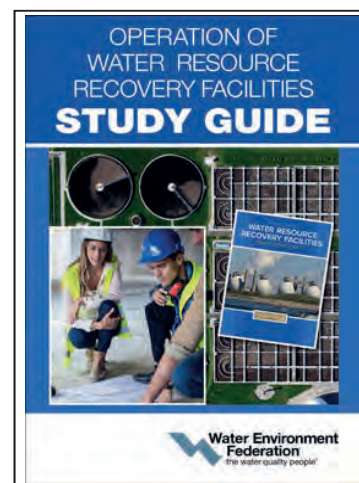
Medium: Soft cover

Year: 2018

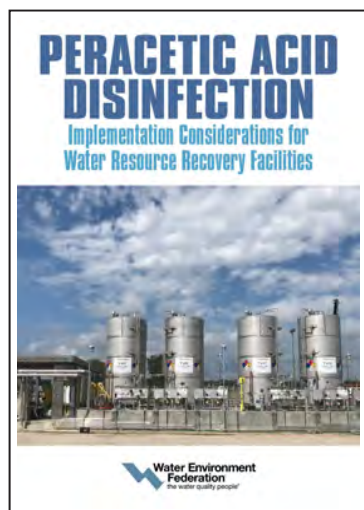
Pages: 300

Publisher: WEF

This book 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.



Peracetic Acid Disinfection – Implementation Considerations for Water Resource Recovery Facilities



Member/List Price: \$124.99/\$159.99

Order Number: P200002

Medium: Soft cover

Year: 2020

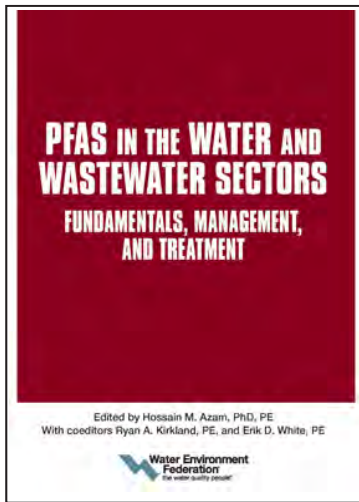
Pages: 336

Publisher: WEF

This publication aims to provide an overview of the chemistry and kinetics of peracetic acid (PAA) disinfection, along with information for design, permitting, and implementation of the technology.

The digital version is available on Access Water.

PFAS in the Water and Wastewater Sectors: Fundamentals, Management and Treatment



Member/List Price: \$154.99/\$189.99

Order Number: P230004 **Medium:**

Soft cover

Year: 2023

Pages: 532

Publisher: WEF



This collection of essays provides a state of the field on PFAS from a variety of perspectives within the water sector. Contributors include experts in industrial wastewater, municipal water management, and public health, with each contributor highlighting a different facet of the impact of PFAS in water and wastewater and providing guidance on the responses necessary to limit the chemicals' negative effects.

The digital version is available on Access Water.

Planning, Design and Implementation for New and Upgraded Water Resource Recovery Facilities, MOP 28, 2nd Edition

Member/List Price: \$137.99/\$169.99

Order Number: P210003

Medium: Soft cover

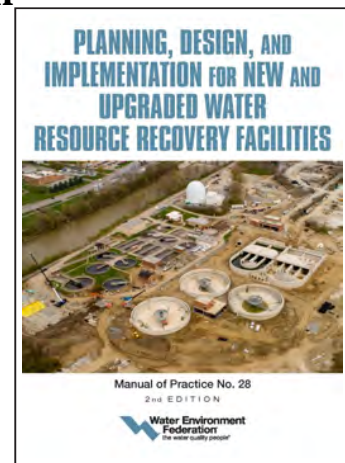
Year: 2020

Pages: 270

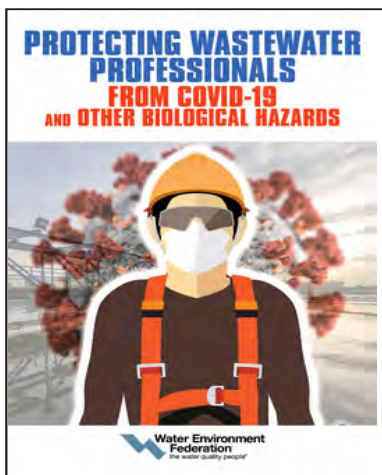
Publisher: WEF

Utilities are faced with many challenges in their mission to manage wastewater, protect the water environment, and use resources wisely. Meeting these challenges can require significant upgrades to the nature or size of their facilities. This manual serves as a guidance document to help utility managers and others navigate this complex process.

The digital version is available on Access Water



Protecting Wastewater Professionals from COVID-19 and Other Biological Hazards



Member/List Price: \$89.99/\$113.99

Order Number: P200004

Medium: Soft cover

Year: 2020

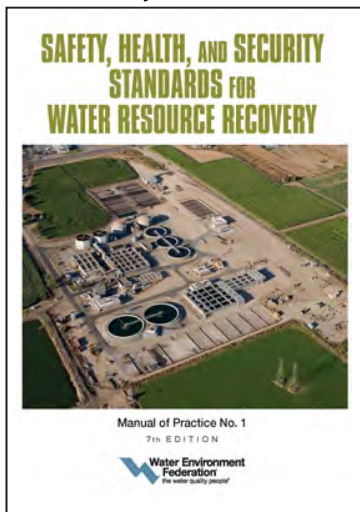
Pages: 114

Publisher: WEF

This book features a host of information critical for safeguarding water professionals from viruses, bacteria, and other biological safety hazards. These updates concern protecting health and safety workers from biological hazard exposures associated with wastewater, including viruses like SARS-CoV-2. Then, a review of worker health and safety best practice guidelines culminates in recommendations regarding exposure to biological hazards associated with wastewater.

The digital version is available on Access Water.

Safety, Health, and Security Standards for Water Resource Recovery MOP 1, 7th Edition



Member/List Price: \$134.99/ \$169.99

Order Number: P210005

Medium: Soft cover

Year: 2021

Pages: 416

Publisher: WEF

This book serves as an injury-reduction tool to all those working in the wastewater field. It contains best practices for creating written safety programs and procedures as well as guidelines that describe how to perform a variety of tasks safely and securely. From the laboratory to collection systems applications, this Manual has recommendations that can help reduce injuries and ensure the ultimate safety and health of employees.

The digital version is available on Access Water.

Shortcut Nitrogen Removal—Nitrite Shunt and Deammonification

Member/List Price: \$117.99/\$147.99

Order Number: P150003

Medium: Soft cover

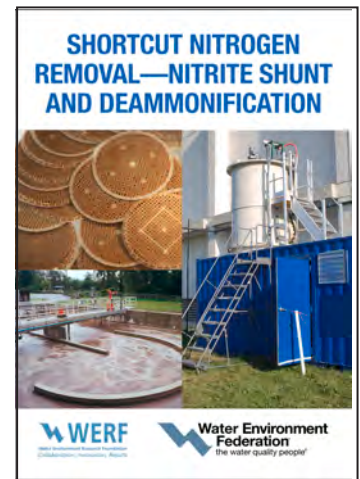
Year: 2015

Pages: 198

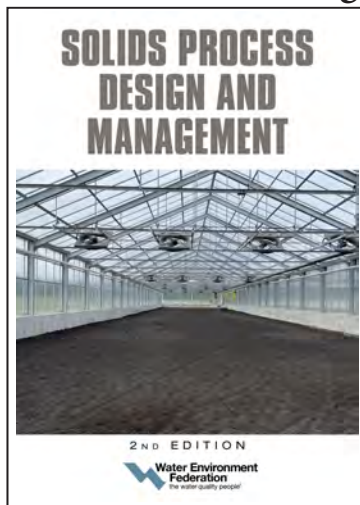
Publisher: WEF

Shortcut Nitrogen Removal—Nitrite Shunt and Deammonification is an essential resource for facility owners and practitioners evaluating the implementation of these advancements, including guidelines for assessing the application of various technologies.

The digital version is available on Access Water. .



Solids Process Design and Management, 2nd Edition



Member/List Price: \$183.99/\$229.99

Order Number: P230001

Medium: Soft cover

Year: 2023

Pages: 1,080

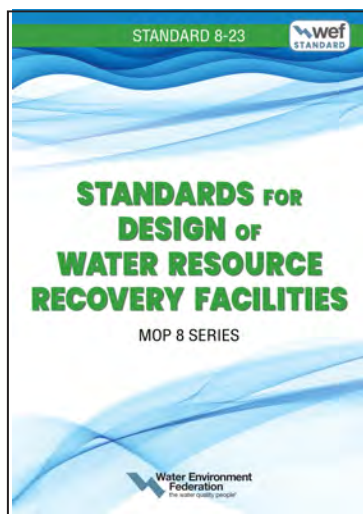
Publisher: WEF



Intended for use by professionals engaged in the design, approval, and operation of solids treatment and disposal systems, this update addresses many of the changes that have occurred over the past decade, incorporating material published as recently as 2022. Wastewater continues to require increasing levels of treatment, especially as we begin to consider our facilities as water resource recovery facilities. This will yield more solids that, at the least, need to be managed in an efficient and effective manner to protect human health and the environment. Preferably, we can treat these solids as resources, recovering biogas from the digestion process and phosphorus from the biosolids.

The digital version is available on Access Water.

Standards for Design of Water Resource Recovery Facilities, WEF 8



Member/List Price: \$124.99/ \$159.99

Order Number: P230003 **Medium:**

Soft cover

Year: 2023

Pages: 168

Publisher: WEF

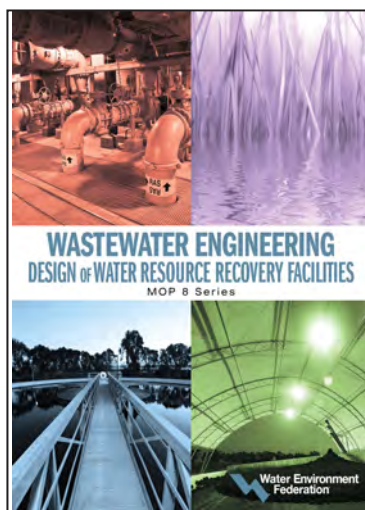


Standards for Design of Water Resource Recovery Facilities, WEF 8 is intended to complement the evolving contemporary design references of today. WEF 8 provides ready access to concise critical design information and enables the reader to quickly locate additional information by following cited references. This standard is formatted to present key design criteria from a variety of design resources on tables and bulleted lists for easy access.

WEF 8 is intended for seasoned design professionals familiar with wastewater resource recovery concepts, the design process, facility operations, and the regulatory basis of water pollution control. This reference will serve as a design tool to quickly identify the most relevant design criteria for the more commonly used water resource recovery operations and processes. I

The digital version is available on Access Water.

Wastewater Engineering: Design of Water Resource Recovery Facilities



Member/List Price: \$119.99/ \$149.99

Order Number: P230006 **Medium:**

Soft cover

Year: 2023

Pages: 646

Publisher: WEF

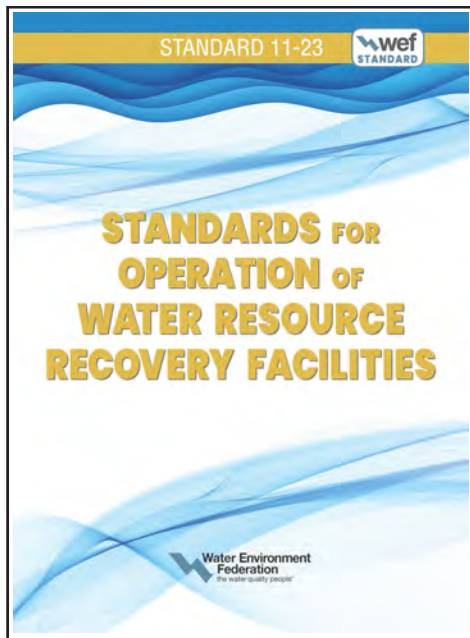


Wastewater Engineering: Design of Water Resource Recovery Facilities (MOP 8 Series) provides the reader with the up-to-date knowledge and tools required to design water resource recovery facilities. It serves as both a textbook for senior level and graduate students in civil engineering and a reference work. The scope of coverage and the classroom-friendly features, such as learning objectives and example problems, makes it an excellent tool for students transitioning from academia to practice, and it remains an essential resource for practitioners. Written by a team of professors and consultants and put through a rigorous industry review, Wastewater Engineering provides vital WRRF design information to an engineer at every stage of their education and career.

Wastewater Engineering has its roots in WEF's Design of Water Resource Recovery Facilities (MOP 8), a long-time fixture on the design engineer's shelf. As WEF approached how to update MOP 8, the organization decided to do so in a way that would address two significant needs in the water sector. The first was the need for current, nationally applicable, peer-reviewed design standards. The result was Standards for Design of Water Resource Recovery Facilities (WEF 8). WEF 8 is a tool for seasoned design professionals, providing concise coverage of critical design criteria that has been formatted in quick-reference tables and bulleted lists. The second was the need for a wastewater design textbook and reference, as covered by this book. Within the MOP 8 series framework, this textbook serves as the entry point for new wastewater engineers and a primary reference work for practitioners, providing both theory and significant context behind the design parameters covered more briefly in WEF 8.

The digital version is available on Access Water.

Standards for Operation of Water Resource Recovery Facilities, WEF 11



Member/List Price: \$224.99/\$279.99

Order Number: P230005 **Medium:**

Hard cover

Year: 2023

Pages: 1,434

Publisher: WEF



Water resource recovery facility operators and maintenance staff are responsible for the protection of the environment and public health by ensuring excellent process control and equipment function. The processes and equipment used at these facilities are very complex and require continuous training. This edition of *Standards for Operation of Water Resource Recovery Facilities, WEF 11* is designed to ensure that these critical personnel have the information they need to understand each process, make informed process control decisions, and recognize the basic requirements of preventive maintenance and troubleshooting.

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

The digital version is available on Access Water.

Standards for Automation of Water Resource Recovery Facilities, WEF 21-24



Member/List Price: \$154.99/\$189.99

Order Number: P240005

Medium: Soft cover

Year: 2024

Pages: 607

Publisher: WEF



Automation has become an integral component of water treatment, with new technologies and applications constantly being developed and producing increases in efficiency and reliability. *Standards for Automation of Water Resource Recovery Facilities, WEF 21-24* introduces the reader to the elements of complete automation design and the standards that govern those elements. Ideal for designers, utility managers, and operators.

The digital version is available on Access Water.

Standards of Operation of Nutrient Removal Facilities, WEF 37-24

Member/List Price: \$144.99/\$179.99

Order Number: P240006

Medium: Soft cover

Year: 2024

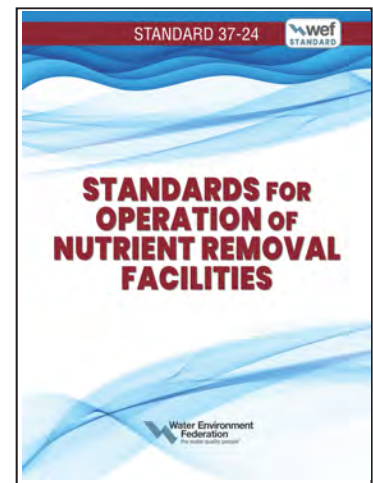
Pages: 470

Publisher: WEF

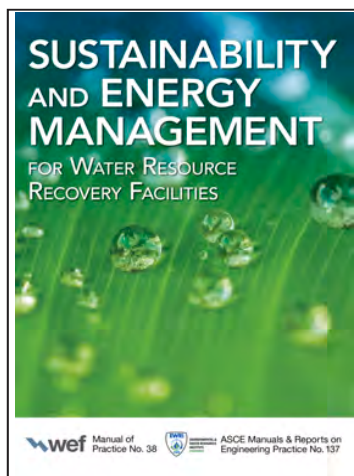


Standards for Operation of Nutrient Removal Facilities, WEF 37-24, covers the fundamental biological and chemical processes that are in use at nutrient removal facilities and the ways that operators may use, monitor, and control these processes to meet their facility's treatment goals. It is a valuable resource not only for plant managers and operators, but also design engineers and regulators. This latest edition references the most up-to-date technologies and practices for nutrient removal and includes both new and updated case studies.

The digital version is available on Access Water.



Sustainability and Energy Management for Water Resource Recovery Facilities



Member/List Price: \$79.99/\$99.99

Order Number: P170005

Medium: Soft cover

Year: 2018

Pages: 74

Publisher: WEF & ASCE

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.

The digital version is available on Access Water.

The Water Professionals Guide to Infectious Disease Outbreaks

Member/List Price: \$129.99/\$164.99

Order Number: P230002

Medium: Soft cover

Year: 2023

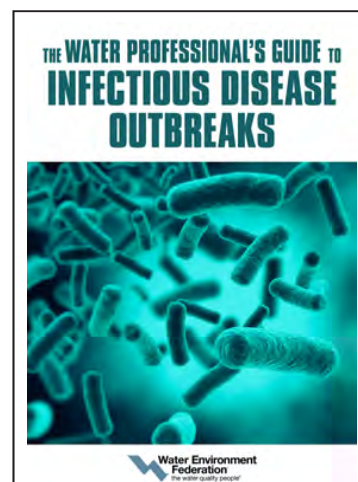
Pages: 364

Publisher: WEF

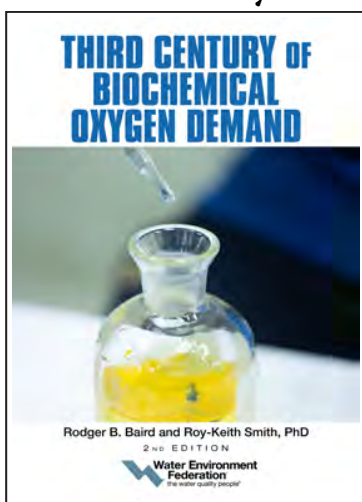


The Water Professional's Guide to Infectious Disease Outbreaks will help you understand and evaluate the vast amounts of information produced during outbreaks and make evidence-based decisions to protect both water professionals and the wider community. The publication covers pathogens, treatment practices, risk assessment, health and safety evaluation approaches, adaptations in facility management, communications, and wastewater surveillance.

The digital version is available on Access Water.



Third Century Of Biochemical Oxygen Demand, 2nd Edition



Member/List Price: \$143.99/179.99

Order Number: P220005

Medium: Soft cover

Year: 2022

Pages: 508

Publisher: WEF

This book is intended to serve three purposes: first and foremost, is to describe BOD as a test procedure and biological phenomenon; secondly, to describe the place of BOD within the complex of testing that is used to evaluate treatment processes; lastly, is to present the development of BOD and preserve all peer-reviewed literature citations that mark the road to the current test.

The digital version is available on Access Water.

Ultraviolet Disinfection for Wastewater: Low-Dose Application Guidance for Secondary and Tertiary Discharges

Member/List Price: \$104.99/\$129.99

Order Number: P150001

Medium: Soft cover

Year: 2015

Pages: 210

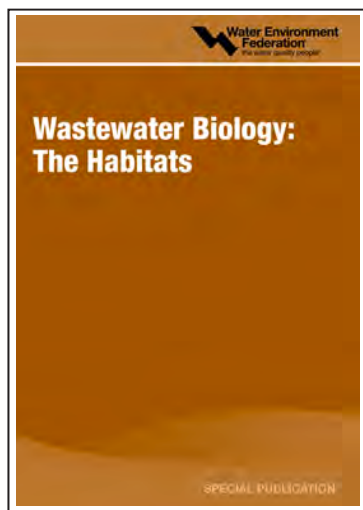
Publisher: WEF

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.

The digital version is available on Access Water..



Wastewater Biology: The Habitats



Member/List Price: \$84.99/\$104.99

Order Number: P09106

Medium: Soft cover

Year: 2000

Pages: 127

Publisher: WEF

Written with a minimum of technical jargon, the text provides not only an identification of commonly occurring organisms and their basic roles in wastewater treatment but also a description of their habitats and the way these habitats and operational conditions interact. This book can be used as an operational and troubleshooting text, a reference text, or an educational resource.

The digital version is available on Access Water.

Wastewater Biology: The Life Processes

Member/List Price: \$84.99/\$104.99

Order Number: P04114

Medium: Soft cover

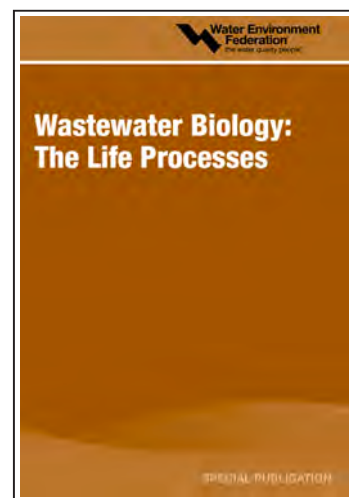
Year: 1994

Pages: 210

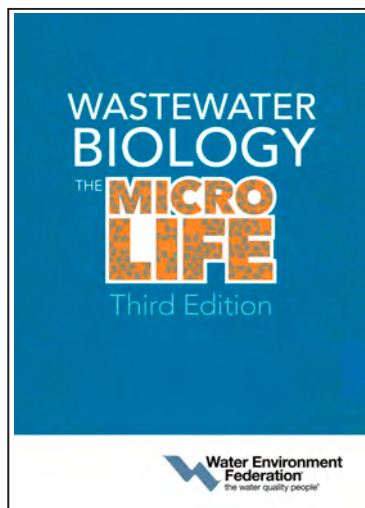
Publisher: WEF

Easy to understand guide in the Wastewater Biology Series. For operators and technicians involved in the biological aspects of wastewater treatment. Reviews bacteria and metabolic/life processes involved in wastewater and sludge stabilization; environmental conditions and concerns; operational measures needed to monitor, correct, or enhance the life processes; and much more.

The digital version is available on Access Water.



Wastewater Biology: The Microlife



Member/List Price: \$84.99/\$104.99

Order Number: P170001

Medium: Soft cover

Year: 2017

Pages: 364

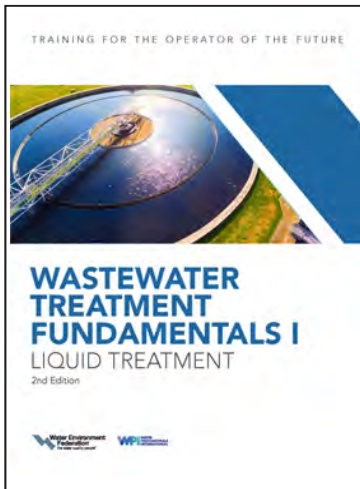
Publisher: WEF

This publication explores the organ-isms 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.

The digital version is available on Access Water.

Wastewater Treatment Fundamentals Training Series

Wastewater Treatment Fundamentals I, Liquid Treatment, 2nd Edition



Member/List Price: \$104.99/\$144.99

Order Number: E240001

Medium: Soft cover

Year: 2024

Pages: 842

Publisher: WEF/WPI

Wastewater Treatment Fundamentals I: Liquid Treatment, 2nd edition 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. After learning from real-life examples, users can apply the material they learn to situations they encounter in their day-to-day work. **English print edition is also available with final exam only for \$154.99/194.99.**

The first edition is available in Spanish, Mandarin and Vietnamese. The digital version is available in English and Spanish on Access Water.

Wastewater Treatment Fundamentals II, Solids Handling and Support Systems

Member/List Price: \$104.99/\$144.99

Order Number: E210001

Medium: Soft cover

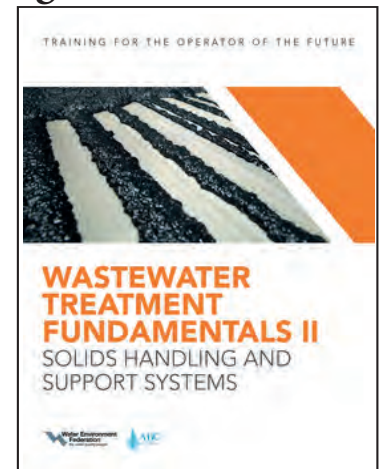
Year: 2021

Pages: 760

Publisher: WEF/WPI

Wastewater Treatment Fundamentals II—Solids Handling and Support Systems covers all aspects of solids handling and support systems and helps operators prepare for the first three levels of certification examinations. In addition to learning the basics of solids handling, operators will gain a thorough understanding of critical aspects of thickening, dewatering, and aerobic digesting.

Print is also available in Spanish, The digital version is available in English and Spanish on Access Water.



Wastewater Treatment Fundamentals III, Advanced Treatment



Member/List Price: \$104.99/\$144.99

Order Number: E220001

Medium: Soft cover

Year: 2022

Pages: 557

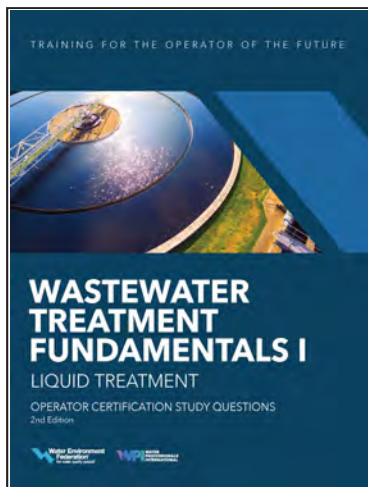
Publisher: WEF/WPI

Wastewater Treatment Fundamentals III—Advanced Treatment covers advanced wastewater treatment and helps operators prepare for the third and fourth levels of certification examinations. Operators will gain a thorough understanding of critical aspects of membranes, industrial wastewater and pretreatment, physical and chemical treatment, advanced activated sludge, instrumentation, SCADA, leadership and management, sludge sampling, solids management, stabilization, odor control, safety considerations, nontraditional disinfection, and water reuse.

The digital version is available on Access Water.

Wastewater Treatment Fundamentals Training Series

Wastewater Treatment Fundamentals I, Liquid Treatment Operator Certification Study Questions, 2nd Edition



Member/List Price: \$83.99/\$114.99

Order Number: E240002

Medium: Soft cover

Year: 2024

Pages: 172

Publisher: WEF/WPI

The more than 800 study questions and answers in this study companion represent all aspects of liquid treatment processes and help operators prepare for the first three levels of certification examinations.

Wastewater Treatment Fundamentals I, Liquid Treatment Online Course and Final Exam Member/
List Price: \$99/\$139

This online course is great for both visual and verbal learners! The course includes the 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 II, Solids Handling and Support Systems Operator Certification Study Questions

Member/List Price: \$83.99/\$114.99

Order Number: E210002

Medium: Soft cover

Year: 2021

Pages: 166

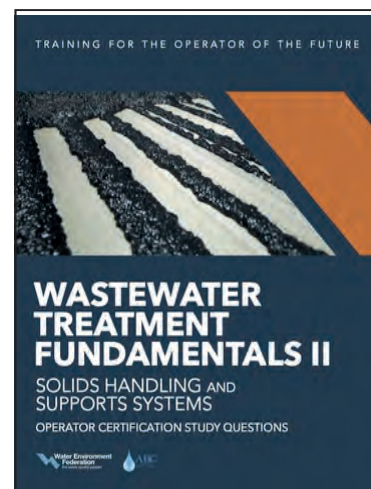
Publisher: WEF/WPI

The more than 950 study questions and answers in this study companion represent all aspects of liquid treatment processes and help operators prepare for the first three levels of certification examinations.

Wastewater Treatment Fundamentals II, Solids Handling and Support System Online Course and Final Exam

Member/List Price: \$99/\$139

This online course is great for both visual and verbal learners! The course includes the online course and final exam. *Wastewater Treatment Fundamentals II: Solids Handling and Support Systems* covers all aspects of liquid treatment processes and helps operators prepare for the first three levels of certification examinations.



Wastewater Treatment Fundamentals III, Advanced Treatment Operator Certification Study Questions



Member/List Price: \$83.99/\$114.99

Order Number: E220002

Medium: Soft cover

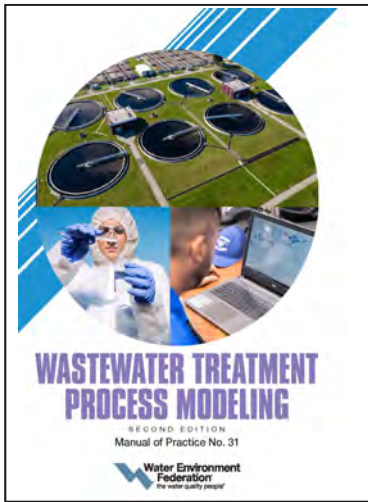
Year: 2022

Pages: 166

Publisher: WEF/WPI

The more than 950 study questions and answers in this study companion represent all aspects of liquid treatment processes and help operators prepare for the first three levels of certification examinations.

Wastewater Treatment Process Modeling, MOP 31, 2nd Edition



Member/List Price: \$134.99/\$169.99

Order Number: W130002

Medium: Soft cover

Year: 2013

Pages: 388

Publisher: WEF

This authoritative guide helps process engineers understand general modeling concepts and terminology and offers practical details on how to use process models for the design of small, medium, and large water resource recovery facilities. The manual 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.

You can find the digital version on Access Water..

Wastewater Solids Incineration Systems, MOP 30

Member/List Price: \$124.99/\$159.99

Order Number: W090022

Medium: Soft cover

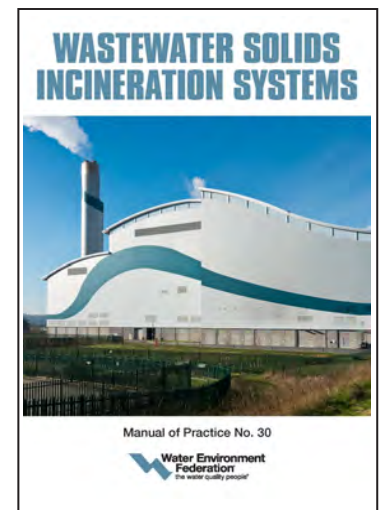
Year: 2009

Pages: 360

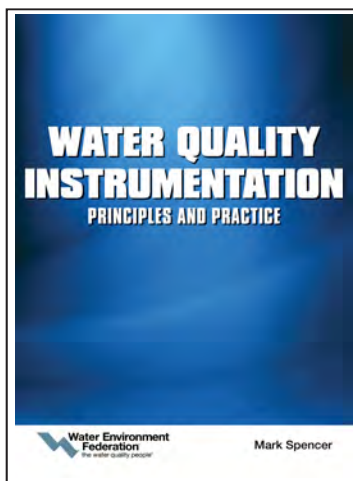
Publisher: WEF

This comprehensive manual offers you expert incineration guidance for biosolids and wastewater applications covering current practice and environmentally friendly choices. The book fully explains the safety, permitting, design, operations, and maintenance of the incineration process.

The digital version is available on Access Water.



Water Quality Instrumentation



Member/List Price: \$144.99/ \$189.99

Order Number: P220004

Medium: Soft cover

Year: 2022

Pages: 472

Publisher: WEF

Water Quality Instrumentation provides both a theoretical explanation of how water sensors operate and a more practical discussion of how practitioners should deploy them to best effect. Readers will walk away with an enhanced understanding of the water instrumentation design, operation, and the chemistry that lies behind both, making it an invaluable resource for anyone who regularly deals with sensors—technicians and operators, researchers and engineers, and sales personnel in the water sector.

The digital version is available on Access Water.

Water and Wastewater Laboratory Techniques, 2nd Edition

Member/List Price: \$119.99/\$149.99

Order Number: P190001

Medium: Soft cover

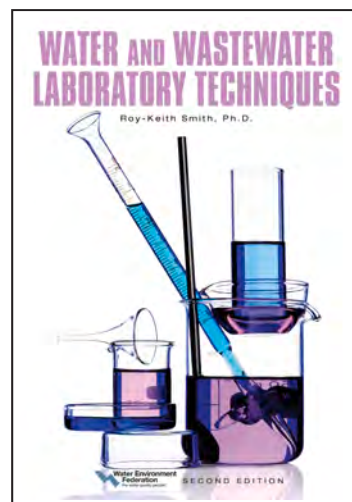
Year: 2019

Pages: 238

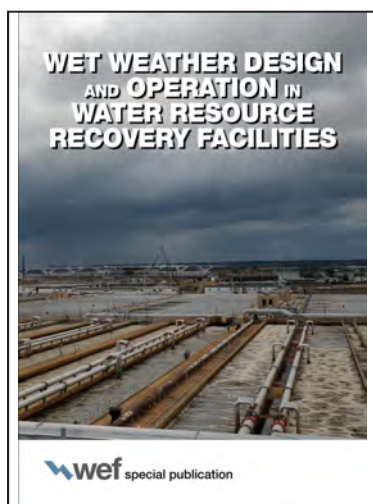
Publisher: WEF

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.

The digital version is available on Access Water.



Wet Weather Design and Operation in Water Resource Recovery Facilities



Member/List Price: \$124.99/\$159.99

Order Number: P140002

Medium: Soft cover

Year: 2014

Pages: 306

Publisher: WEF

Wet Weather Design and Operation in Water Resource Recovery Facilities provides professionals involved in the field with a comprehensive reference of current design and operational practices for dealing with the unique challenges associated with the proper management of wet weather flows. This title focuses on providing a wet weather flow management perspective to the subject matter previously covered by the widely relied upon design practitioner resource.

Why Water's Worth It

Member/List Price: \$16.99/\$18.99

Order Number: P190002

Medium: Hard cover

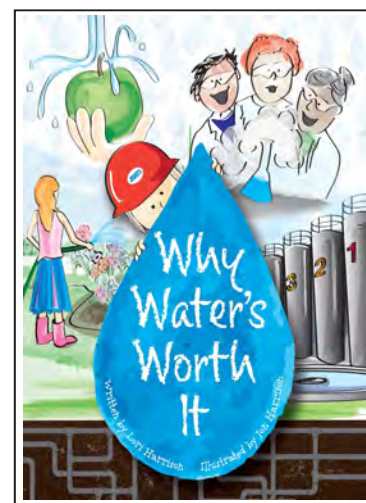
Year: 2019

Pages: 42

Publisher: WEF

This educational picture book is about a little girl with a big story to tell – Why Water's Worth It. With her nose buried in her book, she carries young readers through the world of clean water, how it's managed, and the importance of everyone working together to protect it. Written for 4- to 8-year-olds but with appeal to readers of all ages, this book uses fun, engaging illustrations and rhyming text to present a simple explanation of a complex process while encouraging personal responsibility and thoughtful, "green" choices. To help small hands become big heroes, the book includes a list of small ways to make a big difference and cool facts to help explain why water's worth it!

This book is available in three languages, English, French and Spanish.



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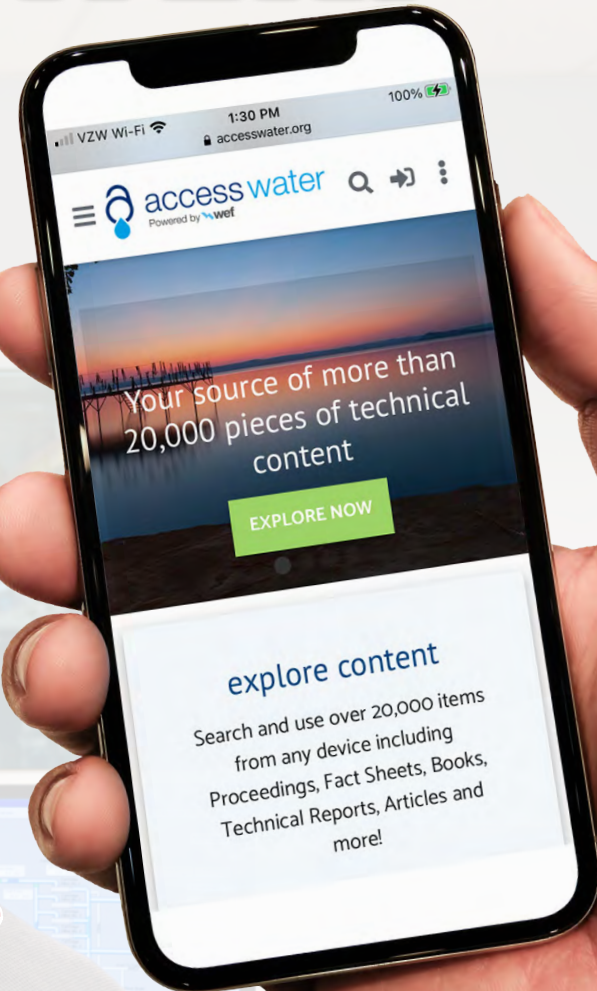
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