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GIS Implementation for Water and Wastewater Treatment Facilities, MOP 26 International Standard Units for Water and Wastewater Processes, MOP 6 Managing the Water and Wastewater Utility Standard Methods for the Examination of Water and Wastewater, 23rd Edition Upgrading and Retrofitting Water and Wastewater Treatment Plants, MOP 28 Using Reclaimed Water to Augment Potable Water Resources, 2nd Edition	Member \$82 Member \$40 Member \$72 Member \$225 Member \$73 Member \$79	List \$103 List \$50 List \$90 List \$395 List \$92 List \$119
GIS Implementation for Water and Wastewater Treatment Facilities, MOP 26 International Standard Units for Water and Wastewater Processes, MOP 6 Managing the Water and Wastewater Utility Standard Methods for the Examination of Water and Wastewater, 23rd Edition Upgrading and Retrofitting Water and Wastewater Treatment Plants, MOP 28 Using Reclaimed Water to Augment Potable Water Resources, 2nd Edition Water and Wastewater Calculations Manual, 3rd Edition Water and Wastewater Engineering: Principles and Practice	Member \$82 Member \$40 Member \$72 Member \$225 Member \$73 Member \$79 Member \$104	List \$103 List \$50 List \$90 List \$395 List \$92 List \$119 List \$130
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GIS Implementation for Water and Wastewater Treatment Facilities, MOP 26 International Standard Units for Water and Wastewater Processes, MOP 6 Managing the Water and Wastewater Utility Standard Methods for the Examination of Water and Wastewater, 23rd Edition Upgrading and Retrofitting Water and Wastewater Treatment Plants, MOP 28 Using Reclaimed Water to Augment Potable Water Resources, 2nd Edition Water and Wastewater Calculations Manual, 3rd Edition Water and Wastewater Engineering: Principles and Practice Watershed Management Advances in Water Quality Trading as a Flexible Compliance Tool Handbook on Sediment Quality	Member \$82 Member \$40 Member \$72 Member \$225 Member \$73 Member \$79 Member \$104 Member \$142 Member \$104 Member \$70	List \$103 List \$50 List \$90 List \$395 List \$92 List \$119 List \$130 List \$184 List \$130 List \$130 List \$130

New Manuals of Practice and Technical Publications

Activated Sludge and Nutrient Removal, 3rd Edition

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

Sustainability and Energy Management for Water Resource Recovery Facilities

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

Operation of Water Resource Recovery Facilities Study Guide

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

Wastewater Biology: The Microlife, 3rd Edition

The Water Reuse Roadmap

Alphabetical Summary

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



Published by WEF, 2018 Order No. P170004 Member/List Price \$99/\$125 Soft cover, 480 pages



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

Activated Sludge Process Control Training Manual



Published by WEF, 2001 Order No. E10002 Member/List Price \$59/\$89 Soft cover, 143 pages

This is a manual for self-paced study of activated sludge process control topics. It contains helpful photos, schematics, and graphs as well as worked-out example calculations and periodic quizzes to check your progress.

Also Available in Spanish: Control del proceso de lodos activados, Manual de entrenamiento

Published by WEF, 2011 Order No. E110073 Member/List Price \$59/\$89 Soft Cover, 117 pages

Advances in Water Quality Trading as a Flexible Compliance Tool



Published by WEF, 2015 Order No. P150004 Member/List Price \$104/\$130 Soft cover, 342 e-book available

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

Affordability of Wastewater Service



Published by WEF, 2007 Order No. P07016 Member/List Price \$69/\$85 Soft cover, 80 pages

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

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



Published by WEF Press, 2008 Order No. WPM813 Member/List Price \$88/\$113 Hard cover, 300 pages

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

Alternative Water Sources and Wastewater Management

Published by McGraw-Hill, 2012

Order No.: R140201 Member/List Price: \$50/\$59 Hard cover, 384 pages

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

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



Published by WEF, 2013 Order No. P130003 Member/List Price \$124/\$155 Soft cover, 663 pages e-book available

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

Basic Activated Sludge Process Control

Published by WEF, 1994 Order No. E40089 Member/List Price \$59/\$89 Soft cover, 240 pages

This publication will teach operators the basic practices for controlling the performance of the activated sludge systems.

Basic Laboratory Procedures for the Operator–Analyst



Published by WEF, 2012 Order No. P120083 Member/List Price \$72/\$96 Soft cover, 432 pages e-book available

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

Biofilm Reactors, MOP 35



Published by WEF Press, 2010 Order No. W100061 Member/List Price \$116/\$146 Hard cover, 604 pages

This resource offers complete coverage of pure fixed-film and hybrid treatment systems, along with details on their design, performance, and operational issues. Real-world case studies illustrate the application of the technologies presented in this authoritative volume.

Chlorination/Dechlorination Handbook

Published by WEF, 2002 Order No. P12101 Member/List Price \$60/\$75 Soft cover, 208 pages

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

Clarifier Design, MOP FD-8, 2nd Edition



Published by WEF Press, 2005 Order No. WPM408 Member/List Price \$130/\$173 Hard cover, 704 pages

Contrasting traditional methods with the many leading-edge choices in clarifier design approaches, this Manual of Practice establishes criteria and protocols for decision-making. Its demystifying explanations will help everyone approach the process and its technologies with more understanding, confidence, and clarity.

Control of Odors and Emissions from Wastewater Treatment Plants. MOP 25



Published by WEF, 2004 Order No. MOP425 Member/List Price \$69/\$84 Soft cover, 523 pages

This manual addresses the characteristics and measurement of odor and toxic air emissions, regulations and policies, public health issues, emissions minimization from collection systems, containment and ventilation from treatment facilities, and techniques for communicating with the public.

Contemporary Technologies for Shale-Gas Water and Environmental Management

e-book

available



Published by WEF, 2012 Order No. P120003 Member/List Price \$68/\$85 Soft cover, 173 pages

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

Desalination Engineering: Planning and Design



Published by WEF Press, 2013 Order No. W130001 Member/List Price \$99/\$162 Hard cover, 688 pages

Desalination Engineering: Planning and Design provides comprehensive information on the planning and engineering of brackish and seawater desalination projects for municipal water supplies.

Desalination Engineering: Operation and Maintenance



Published by WEF Press, 2014 Order No. W140001 Member/List Price \$99/\$130 Hard cover, 307 pages

Desalination Engineering: Operation and Maintenance describes state-of-the art operation, maintenance, and troubleshooting methods for reverse osmosis brackish and seawater desalination plants for municipal water supplies.

Design of Urban Stormwater Controls, MOP 23



Published by WEF Press, 2012 Order No. W120001 Member/List Price \$116/\$146 Hard cover, 705 pages

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

Economic Incentives for Stormwater Control

Published by CRC Press, 2011 Order No R151105 Member/List Price \$104.00/\$115.95 Hard cover, 256 pages

Dealing with stormwater runoff in urban areas is a problem that is getting bigger and more expensive. To make stormwater management practices work, communities need to know the real costs and policy makers need to give people incentives to adopt the best practices.

The Effective Water Professional



Published by WEF, 2015 Order No. P150005 Member/List Price \$124/\$155 Soft cover, 288 pages



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

Emergency Planning, Response, and Recovery



Published by WEF, 2013 Order No. P130002 Member/List Price \$99/\$125 Soft cover, 283 pages



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

Energy Conservation in Water and Wastewater Treatment Facilities, MOP 32



Published by WEF Press, 2009 Order No. W090037 Member/List Price \$116/\$151 Hard cover, 400 pages

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

The Energy Roadmap



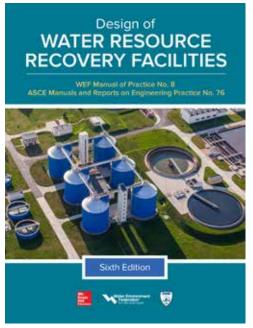
Published by WEF, 2013 Order No. P130001 Member/List Price \$44/\$55 Soft cover, 148 pages



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

Design of Water Resource Recovery Facilities,

MOP 8, 6th Edition



Published by WEF Press & ASCE, 2018 Order No. W170001 Member/List Price \$260/\$325 Hard cover, 2416 pages 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

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

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



Published by WEF Press, 2009 Developed by WEF & ASCE Order No. W090020 Member/List Price \$90/\$113 Hard cover, 327 pages

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

Financing and Charges for Wastewater Systems, MOP 27



Published by WEF, 2018 Order No. P180001 Member/List Price \$108/\$135 Soft cover, 325 pages



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

GIS Implementation for Water and Wastewater Treatment Facilities, MOP 26



Published by WEF Press, 2004 Order No. WPM401 Member/List Price \$82/\$103 Hard cover, 300 pages

This manual offers utility-focused tools for evaluating, strategizing, designing, obtaining optimum results, maintaining, upgrading, and much more, including guidance on coordination and integration of collection systems, pumping stations, holding tanks, onsite equipment, and individual dischargers.

Gravity Sanitary Sewer Design and Construction, MOP FD-5, 2nd Edition



Published by ASCE & WEF, 2007 Order No. MFD502 Member/List Price \$75/\$95 Soft cover, 400 pages

This manual covers the administrative and organizational phases of sanitary sewer projects, as well as the parameters necessary to establish the design criteria, complete the design, and award a construction contract, and offers an in-depth discussion of commonly used trenchless and conventional methods of sanitary sewer construction.

Green Infrastructure Implementation



Published by WEF, 2014 Order No.: P140003 Member/List Price: \$104/\$130 Soft cover, 491 pages



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

Guide for Municipal Wet Weather Strategies



Published by WEF, 2013 Order No. P130004 Member/List Price \$56/\$70 Soft cover, 146 pages



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

Guidelines for Grit Sampling and Characterization



Published by WEF, 2017 Order No. P16002 Member/List Price \$99/\$125 Soft cover, 124 pages



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

Handbook of Environmental Engineering Calculations, 2nd Edition

Published by McGraw-Hill, 2007 Order No. R70202 Member/List Price \$145/\$165 Hard cover, 1000 pages

Designed to give you quick access to essential information, the updated edition of this unique guide now presents the latest methods for solving a wide range of specific problems, together with stepby-step calculation procedures covering virtually every aspect of environmental engineering.

Handbook on Sediment Quality



Published by WEF, 2002 Order No. P02105 Member/List Price \$70/\$85 Soft cover, 372 pages

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

Hydraulic Fracturing Impacts and Technologies

Published by CRC Press, 2015 Order No. R151106 Member/List Price \$116.00/\$129.95 Hard cover, 312

Presenting a holistic assessment of hydraulic fracturing and its environmental impacts, this book chronicles the history and development of unconventional oil and gas production and describes the risks associated with the use of these technologies.

Implementing Asset Management: A Practical Guide



Published by AMWA, NACWA & WEF, 2007 Order No. P07011 Member/List Price \$95/\$200 Soft cover, 80 pages

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

Industrial MBRs: Membrane Bioreactors for Industrial Wastewater Treatment

Published by Judd and Judd Ltd., 2014 Order No. R141110 Member/List Price \$98/\$112 Soft cover, 160 pages

Industrial MBRs is a concise guide to the design, operation, and general implementation of membrane bioreactor (MBR) technology in the treatment of industrial effluents. Key facets of the MBR technology are described, including design, operation, running costs, and challenges.

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



Published by WEF Press, 2008 Order No. WPM814 Member/List Price \$104/\$130 Hard cover, 600 pages

This manual offers proven methods to help take on toxic, concentrated, and polluted wastewater. Complete with illustrations and tables throughout, this comprehensive guide contains information on significant treatment studies, efficient control processes, and regulations.

Industrial Water Quality, 4th Edition



Published by WEF Press, 2008 Order No. WPM815 Member/List Price \$142/\$184 Hard cover, 896 pages

This classic guide to controlling industrial water pollution has been updated with the latest regulations and new technologies. Turn to the new edition for guidance on state-of-the-art methods for optimizing or upgrading existing wastewater treatment systems, as well as selecting the best treatment options to solve specific wastewater problems.

Information Technology in Water and Wastewater Utilities, MOP 33



Published by WEF Press, 2010 Order No. W100059 Member/List Price \$88/\$113 Hard cover, 375 pages

The manual presents an overview of the information technology (IT) systems, practices, and applications most relevant to utilities. This resource covers strategic planning, IT program development, project management, infrastructure, security, organizational issues, success factors, and challenges.

International Standard Units for Water and Wastewater Processes, MOP 6



Published by WEF, AWWA & IWA, 2011 Order No. M110074 Member/List Price \$40/\$50 Soft cover, 100 pages

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

Introduction to Water Resource Recovery Facility Design, 2nd Edition



Published by WEF Press, 2014 Order No.: W140003C Member/List Price: \$137/\$172 Hard cover, 848 pages

Addressing the challenges of the design engineer's job, this text offers guidance on designing facilities flexible enough to allow modifications to meet stricter treatment requirements as environmental regulations evolve. It also includes a digital Student Workbook containing over 200 design examples and study problems related to every aspect of water resource recovery facility design.

Managing the Water and Wastewater Utility



Published by WEF, 2004 Order No. P12103 Member/List Price \$72/\$90 Hard cover, 288 pages

This book provides a foundation of knowledge and an array of experience-based opinions in preparation of a successful management career, including leadership, budgeting and fiscal control, managing O&M, design and capital improvements, and the role of information technology.

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



Published by WEF Press, 2009 Order No. W090023 Member/List Price \$55/\$152 Hard cover, 562 pages

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

Membrane Bioreactors, MOP 36



Published by WEF Press, 2011 Order No. W110077 Member/List Price \$111/\$139 Hard cover, 448 pages

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

Membrane Processes for Water Reuse



Published by McGraw-Hill, 2012 Order No.: R140202 Member/List Price: \$96/\$107 Hard cover, 464 pages

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

Membrane Systems for Wastewater Treatment



Published by WEF Press, 2005 Order No. WPM406 Member/List Price \$92/\$119 Hard cover, 320 pages

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

Moving Toward Resource Recovery Facilities



Published by WEF, 2014 Order No.: P140001 Member/List Price: \$104/\$130

Soft cover, 340 pages



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

Nalco Water Handbook, 3rd Edition

Published by McGraw-Hill, 2009 Order No. R090240 Member/List Price \$134/\$146 Hard cover, 1280 pages

Reflecting major advances in technology and the latest regulatory requirements, this thoroughly revised classic covers basic water chemistry and explains how to improve water quality, minimize water usage, and implement more efficient treatment processes.

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



Published by WEF, 2010 Order No. M090048 Member/List Price \$77/\$110 Soft cover, 500 pages

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

Nutrient Removal, MOP 34



Published by WEF Press, 2010 Order No. W100060 Member/List Price \$116\$146 Hard cover, 664 pages



This manual provides comprehensive information on biological and chemical methods for nitrogen and phosphorus removal from 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.

The Nutrient Roadmap



Published by WEF, 2015 Order No. P15150002 Member/List Price \$84/\$105 Soft cover, 184 pages



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

Operation of Extended Aeration Package Plants, MOP OM-7



Published by WEF, 2004 Order No. MM4024 Member/List Price \$64/\$85 Soft cover, 175 pages

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

Operation of Nutrient Removal Facilities, MOP 37



Published by WEF, 2013 Order No. P130006 Member/List Price \$108/\$135 Soft cover, 590 pages



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

Piping Systems Manual

Published by McGraw-Hill, 2009 Order No. R090245 Member/List Price \$99/\$110 Hard cover, 432 pages

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

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



Published by WEF, 2011 Order No. W110075 Member/List Price \$99/\$125 Hard cover, 448 pages

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

Private Property Infiltration and Inflow Control



Published by WEF, 2016 Order No. P160001 Member/List Price \$95/\$119 Soft cover, 119 pages



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

Project Manager's Portable Handbook, 3rd Edition

Published by McGraw-Hill, 2010 Order No. R100264 Member/List Price \$45/\$50 Soft cover, 464 pages

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

Public Safety Guidance for Urban Stormwater Facilities



Published by American Society of Civil Engineers, 2014 Order No. R141108 Member/List Price \$63/\$70 Soft cover, 120 pages

This guidance provides a framework for integrating protection of the public into the planning, design, operation, and maintenance of stormwater facilities. It describes factors that should be considered in selecting measures and recommends practices than can be used generally or in specific cases.

Pump Handbook, 4th Edition

Published by McGraw-Hill, 2008 Order No. R80201 Member/List Price \$155/\$173 Hard cover, 1632 pages

The new edition has been fully revised and updated with the latest developments in pump technology. Packed with 1150 detailed illustrations and written by a team of more than 100 internationally renowned pump experts, this vital tool shows you how to select, purchase, install, operate, maintain, and troubleshoot cutting-edge pumps for all types of uses.

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



Published by WEF Press, 2012 Order No. W120003 Member/List Price \$89/\$113 Hard cover, 482 pages

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

The Science of Water: Concepts and Applications, 3rd Edition

Published by CRC Press Order No. R141106 Member/List Price \$119.95/\$129.95 Hard cover, 550 pages

This book examines water reserve utilization and the role of policy-makers involved in the decision-making process. It provides practical knowledge that practitioners and operators must have in order to pass licensure/certification tests and keep up with relevant changes.

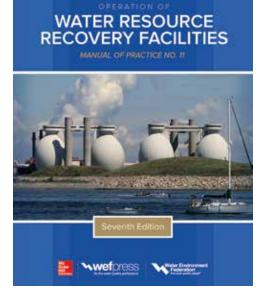
Septage Handling, MOP 24

Published by WEF, 1997 Order No. M01002 Member/List Price \$56/\$75 Soft cover, 247 pages

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

Operation of Water Resource Recovery Facilities,

MOP 11, 7th Edition



Published by WEF Press, 2017 Order No. W160001 Member/List Price \$208/\$260 Hard cover, 1611 pages Operation of Water Resource Recovery Facilities, MOP 11, Seventh Edition, delivers state-of-the-art coverage of the operation, management, and maintenance of water resource recovery facilities. Now conveniently presented in one volume, this authoritative resource reflects the 21st century facility's role in recovering valuable resources, including water, nutrients, and energy. Updates can be found throughout to keep pace with technological advances, including instrumentation and control systems and reporting requirements. Operation of Water Resource Recovery Facilities represents the most complete and up-todate reference available to the wastewater treatment industry.

Coverage includes:

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

Operation of Water Resource Recovery Facilities Study Guide



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

Published by WEF, 2018 Order No. P170002 Member/List Price \$59/\$89 Soft cover, 300 pages

Shortcut Nitrogen Removal—Nitrite Shunt and Deammonifiation



Published by WEF, 2015 Order No. P150003 Member/List \$100/\$125 Soft cover, 198 pages



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

Solids Handling Training Manual



Published by WEF, 2001 Order No. E10012 Member/List Price \$59/\$89 Soft cover, 134 pages

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

Solids Process Design and Management



Published by WEF Press, 2012 Order No. W120002 Member/List Price \$143/\$179 Hard cover, 1069 pages

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

Sustainability and Energy Management for Water Resource Recovery Facilities



Published by WEF & ASCE, 2018 Order No. P170005 Member/List Price \$44/\$55 Soft cover, 74 pages



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

Sustainability Reporting Statements for Wastewater Systems



Published by WEF, 2012 Order No. P120002 Member/List Price \$60/\$75 Soft cover, 143 pages



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

Trenchless Technology Pipeline and Utility Design, Construction, and Renewal

Published by WEF Press, 2004 Order No. WPM404 Member/List Price \$99/\$140 Hard cover, 448 pages

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

Trenchless Technology Piping: Installation and Inspection



Published by WEF Press, 2010 Order No. W100056 Member/List Price \$99/\$130 Hard cover, 482 pages

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

Trenchless Technology: Planning, Equipment, and Methods



Published by McGraw-Hill , 2013 Order No. R130002 Member/List Price \$99/\$135 Hard cover, 582 pages

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

Ultraviolet Disinfection for Wastewater



Published by WEF, 2015 Order No P150001 Member/List Price \$100/\$125



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

Upgrading and Retrofitting Water and Wastewater Treatment Plants, MOP 28

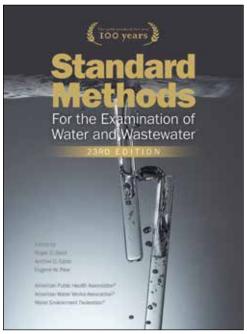


Published by WEF Press, 2004 Order No. WPM403 Member/List Price \$73/\$92 Hard cover, 300 pages

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

Standard Methods for the Examination of Water and Wastewater,

23rd Edition



Published by APHA, AWWA & WEF, 2017

Order No. S82017 Member/List Price \$225/\$395 Hard cover, 1504 pages With approximately 80 methods revised and 5 new methods added, *Standard Methods for the Examination of Water and Wastewater*TM, 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.

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- New, more realistic, visuals to help identify aquatic organisms; and
- Revisions to Solids, Cyanide, Nitrate, Dissolved Oxygen, and Biochemical Oxygen Demand.

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Urban Storm Water Management, 2nd Edition

Published by CRC Press, 2016 Order No. 151107 Member/List Price \$142/\$159.95 Hard cover, 550 pages

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

Urban Water Reuse Handbook

Published by CRC Press Order No. R151108 Member/List Price \$224/\$249.95 Hard cover, 1141 pages

Examining the current literature, research, and relevant case studies, presented by a team of international experts, the *Urban Water Reuse Handbook* discusses the pros and cons of water reuse and explores new and alternative methods for obtaining a sustainable water supply.

User-Fee-Funded Stormwater Programs



Published by WEF, 2013 Order No. P130005 Member/List Price \$60/\$75 Soft cover, 196 pages



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

Using Reclaimed Water to Augment Potable Water Resources. 2nd Edition



Published by WEF, AWWA, 2008 Order No. P08003 Member/List Price \$79/\$119 Soft cover, 210 pages

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

Valve Handbook, 3rd Edition

Published by McGraw-Hill, 2004 Order No. R110278 Member/List Price \$99/\$113 Hard cover, 496 pages

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

Wastewater Biology: The Habitats

Published by WEF, 2000 Order No. P09106 Member/List Price \$50/\$70 Soft cover, 127 pages

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

Wastewater Biology: The Life Processes

Published by WEF, 1994 Order No. P04114 Member/List Price \$50/\$70 Soft cover, 210 pages

This book 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.

Wastewater Biology: The Microlife, 3rd Edition



Published by WEF, 2017 Order No. P170001 Member/List Price \$76/\$95 Soft cover, 362 pages



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

Wastewater Collection System Operator Certification Studybook



Published by WEF, 2002 Order No. E20012 Member/List Price \$59/\$89 Soft cover, 195 pages

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

Wastewater Collection Systems Management, MOP 7, 6th Edition



Published by WEF Press, 2009 Order No. W090036 Member/List Price \$92/\$119 Hard cover, 272 pages

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

Wastewater Disinfection Training Manual



Published by WEF, 2006 Order No. E60012 Member/List Price \$59/\$89 Soft cover, 250 pages

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

Wastewater Engineering: Treatment and Resource Recovery, 5th Edition

Published by McGraw-Hill, 2013 Order No. R151101 Member/List Price \$288/\$320 Hard cover 2048 pages

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

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



Published by ABC, $\mathrm{C_2EP}$, & WEF, 2016 Order No. E160001 Member/List Price \$59/\$89 Soft cover, 154 pages

The fourth edition of this study guide includes $C_2\text{EP}$'s education and experience requirements, tips for taking a certification examination, and sample formulas and conversions. This guide outlines what you can expect from the exam and lets you test your skills with approximately 200 sample questions.

Wastewater Solids Incineration Systems, MOP 30



Published by WEF Press, 2009 Order No. W090022 Member/List Price \$95/\$119 Hard cover, 360 pages

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

Wastewater Stabilization Ponds



Published by CRC Press, 2014 Order No.: R141104

Member/List Price: \$134/\$150 Hard cover, 343 pages

This text examines the use of wastewater stabilization ponds as a natural and highly effective process, centered on wastewater pond management processes and operation procedures that provide passive treatment with minimal energy-driven mechanical elements.

Wastewater Treatment Operator Training Manual: Fundamentals of Utility Management



Published by WEF, 2011 Order No. E110072 Member/List Price \$59/\$89 Soft cover, 250 pages

This manual is intended for water and wastewater utility operations professionals who aspire to or have been promoted to management or leadership positions. It covers management fundamentals while conveying some of the lessons learned from high-performing utilities' management strategies

Wastewater Treatment Operator Training Manual: Overview, Preliminary, Primary, and Natural Treatment



Published by WEF, 2009 Order No. E090027 Member/List Price \$59/\$89 Soft cover, 227 pages

This training manual covers Wastewater Treatment Overview, Preliminary Treatment, Primary Treatment, and Natural Treatment Systems. Each chapter has specified learning objectives, detailed tables and figures, a five-question quiz with answer sheet, and blank pages for note taking.

Wastewater Treatment Plant Design Handbook



Published by WEF, 2012 Order No. P120001 Member/List Price \$73/\$90 Soft cover, 191 pages



This concise guide for designing water resource recovery facilities complements several major design reference guides, including *Design of Water Resource Recovery Facilities*, MOP 8. It provides an overview of all aspects of design to assist design professionals.

Wastewater Treatment Process Modeling, MOP 31, 2nd Edition



Published by WEF Press, 2013 Order No. W130002 Member/List Price \$121/\$152 Soft cover, 388 pages

This authoritative guide helps process engineers understand general modeling concepts and terminology, and offers practical details on how to use process models. It describes each step of the modeling process, from the fundamental math required and overviews of existing models and when to use them, to modeling protocols and how to interpret data.

Water and Wastewater Calculations Manual, 3rd Edition



Published by WEFPress, 2014 Order No.: W140002 Member/List Price: \$104/\$130

Hard cover, 977 pages

This book outlines principles and best practices for the calculation of surface water, groundwater, drinking water treatment, and wastewater engineering. Based on practical data and the most current federal and state regulations, this edition is a must-have for all water and wastewater consultants and designers.

Water and Wastewater Conveyance: Pumping, Hydraulics, Piping, and Valves

Published by CRC Press Order No. R161107 Member/List Price \$169/\$189.95 Hard cover, 423 pages

This publication provides fundamental, basic information on the conveyance of water and wastewater. It provides the techniques to assist water and wastewater operators to better understand basic pump operations and applications, maintenance regimens, and troubleshooting procedures.

Water and Wastewater Engineering: Principles and Practice



Published by WEF Press, 2010 Order No. W100055 Member/List Price \$142/\$184 Hard cover, 1296 pages

This authoritative volume offers comprehensive coverage of the design and construction of municipal water and wastewater facilities. The book addresses water treatment in detail, following the flow of water through the unit processes and coagulation, flocculation, softening, sedimentation, filtration, disinfection, and residuals management.

Water and Wastewater Finance and Pricing: The Changing Landscape, 4th Edition



Published by CRC Press, 2014

Order No.: R141103

Member/List Price: \$170/\$180 Hard cover, 596 pages

This book addresses management challenges such as reduced per capita usage and customer demand, a weak economy, social media, balancing community environmental sustainability with financial sufficiency, an increased focus on water demand management and efficiency, and the concern over rate affordability.

Water and Wastewater Laboratory Techniques



Published by WEF, 1995 Order No. P15124 Member/List Price \$59/\$78 Soft cover, 218 pages

This book is written as a teaching and reference tool for educating analysts in water and wastewater laboratories in the skills and techniques of the bench chemist explaining everything an analyst might encounter in performing a generic general chemistry test.

Water and Wastewater Treatment: A Guide for the Nonengineering Professional, 2nd Edition

Published by CRC Press, 2012 Order No. R151104 Member/List Price \$109/\$122.95 Hard cover, 300 pages

This book provides a simple, nonmathematical account of the unit processes used to treat both drinking water and wastewater. Using step-by-step, jargon-free language, the authors present all the basic unit processes involved in drinking water and wastewater treatment.

Water Quality Control Handbook, 2nd Edition



Published by WEF Press, 2006 Order No. WPM411 Member/List Price \$90/\$179 Hard cover, 848 pages

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

Water-Quality Trading: A Guide for the Wastewater Community



Published by WEF Press, 2005 Order No. WPM405 Member/List Price \$99/\$135 Hard cover, 329 pages

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

The Water Reuse Roadmap



Published by WEF, 2018 Order No. P170003 Member/List Price \$84/\$105 Soft cover, 216 pages



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

Water Resources Engineering, 2nd Edition

Published by John Wiley & Sons, 2010 Order No. R100170 Member/List Price \$110/\$110 Hard cover, 890 pages

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

Water Resources Sustainability



Published by WEF Press, 2006 Order No. WPM409 Member/List Price \$77/\$140 Hard cover, 330 pages

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

Water Reuse: Issues, Technologies, and Applications

Published by McGraw-Hill, 2007 Order No. R70201 Member/List Price \$130/\$151 Hard cover, 1570 pages

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

Water Tech: A Guide to Investment, Innovation and Business Opportunities in the Water Sector



Published by CRC Press, 2013 Order No. R141109 Member/List Price \$74.95/\$84.95 Hard cover, 224 pages

Water Tech unveils how the world in the 21st century will need to manage our most fundamental resource need, water. It outlines how stakeholders can improve water use in their homes, their businesses, and the world.

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



Published by WEF, 2012 Order No. E110076 Member/List Price \$59/\$89 Soft cover, 58 pages

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

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



Published by WEF, 2014 Order No. E140001 Member/List Price \$59/\$89 Soft cover, 94 pages

TThis popular WEF/ABC/C2EP study guide includes tips for taking a certification examination, sample formulas and conversions, and detailed answers to mathematical problems. The 151 questions in this study guide are intended to provide an example of the style and possible topics for certification exam questions.

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



Published by WEF, 2000 Order No. E00017 Member/List Price \$59/\$89 Soft cover, 294 pages

This WEF/ABC guide contains more than 400 questions and answers on 19 different topics, chosen to sample many aspects of a lab analyst's job and assist them in preparing for the certification examination.

Wet Weather Design and Operation in Water Resource Recovery Facilities



Published by WEF, 2014 Order No.: P140002 Member/List Price: \$104/\$130 Soft cover, 306 pages



Wet Weather Design and Operation in Water Resource Recovery Facilities presents professionals 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.



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