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For Water Utilities Fourth
Edition

This manual of water supply
practices explains the causes

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and prevention of external pipe corrosion. Third Edition. This AWWA manual of practice describes jar testing, particle counting, and other techniques and processes for monitoring, optimizing, and

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controlling water treatment. Water and wastewater utility managers will find expert guidance on all issues regarding security and emergency preparedness and response in this book. The

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terrorist attacks on the US of Sept. 11, 2001, as well as destruction caused by Hurricane Katrina in 2005, brought heightened concern over the security and emergency preparedness of

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America's water supply infrastructure--concerns which remain high to this day. This manual presents principles, practices, and guidelines which deal with natural disasters, accidents, or

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intentional acts that have the potential to disrupt water services. Discussions include applications of knowledge and experience about specific systems, determination of vulnerable components of the

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system, and offers of strategies for improvement of the deficiencies, including alternate policies.

This standard describes current and recommended practice for the design,

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construction, and field observations of concrete tanks using internal tendons for prestressing.

[Water Utility Management Security and Emergency Planning for Water and](#)

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Wastewater Utilities

Utility Management System

Emergency Power Source

Planning for Water and

Wastewater

External Corrosion

Introduction to Chemistry and

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[Control](#)

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[Computer Modeling of Water](#)

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[Distribution Systems](#)

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Utility Management](#)

*AWWA Manual of Water Supply
Practice M57 provides all the information
required by water treatment professionals
to understand and mitigate problems*

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caused by algae in source waters, such as tastes and odors, biofouling, and toxin production. With more than 450 pages and hundreds of photos and illustrations, the manual is a comprehensive reference for identifying and treating algae from drinking water sources.

Reflecting current safety practices and

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federal regulations, this illustrated manual for utility managers, supervisors, and safety workers identifies common problems, outlines the basics of safety programs, and describes the equipment, tools, and techniques used for optimizing safety. Particular att
Specially designed for in-the-field use,

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this book will pay for itself over and over in the time you save looking for chemical and mathematic formulas, chemical feed rates, US/metric conversions, pipe and equipment data, operational parameters, construction and installation information, OSHA and USEPA regulations, and much more.

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Planning and addressing the causes and effects of power outages and standby power supplies, this handbook establishes reliable plans and addresses financial and public health risks of using standby power supplies.

David Alexander provides a concise yet comprehensive and systematic primer on

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how to prepare for a disaster. The book introduces the methods, procedures, protocols and strategies of emergency planning, with an emphasis on situations within industrialized countries. It is designed to be a reference source and manual from which emergency managers can extract ideas, suggestions and pro-

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*forma methodologies to help them design
and implement emergency plans.*

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[Operational Control of Coagulation and
Filtration Processes](#)

[M57](#)

[Field Guides for Water Treatment](#)

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[M27](#)

[Guide for All-Hazard Emergency](#)

[Operations Planning](#)

[Condition Assessment of Water Mains](#)

[Internal Corrosion Control in Water](#)

[Distribution Systems \(M58\)](#)

[Principles of Emergency Planning and](#)

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Management

Operational Guide to AWWA Standard
G100

Designed to help utility
managers understand new
standards, this guide is
for the implementation

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of water utility
management best
practices as set forth
in ANSI/AWWA G400
Utility Management
System (AWWA G400).
The manual is a complete

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and current technical
guide to designing,
installing, operating,
and maintaining flexible-
membrane covers and
linings for potable
water reservoirs. It

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also provides comparative information about different types of membranes to help you evaluate them and choose the right type for your use. The manual is a

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complete and current
technical guide to
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membrane covers and
linings for potable

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water reservoirs. It also provides comparative information about different types of membranes to help you evaluate them and choose the right type for your

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use.

This manual of practice covers public water utility management, designed for new managers, accountants, and supervisors. Second

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edition.

The first of the five
texts in AWWAUs popular
training series, this
third edition introduces
operator trainees to the
basic information

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related to the raw sources of drinking water supply. Filled with clarifying photos and illustrations. Water and wastewater utilities must be

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prepared for any type of emergency. Public health must be protected and service must be maintained or quickly restored. Manual M19 presents techniques for

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developing contingency plans for a variety of emergencies from natural disasters to human-caused crises. The manual explains how to develop an emergency

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preparedness plan, how to identify vulnerabilities in your water system, and how to determine how a disruption would likely impact service. The

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manual includes a separate, 20-page booklet "Security Analysis & Response for Water Utilities," which provides guidance in hazard assessment,

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vulnerability
assessment, mitigation,
development of a
response plan, and
crisis communications
for a utility security
breach.

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Drought Preparedness and
Response

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for Water Utilities,
Fourth Edition

Selecting Disinfectants
in a Security-conscious

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Environment

The DPW/DEH Reference
Book

Safety Practices for
Water Utilities, 6th
Edition (M3)

Planning for the

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[Distribution of
Reclaimed Water, 3rd Ed.
\(M24\)](#)

[M19
52 Talks on Common
Utility Safety Practices
for Water Professionals,](#)

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06/15/2011 Edition

Water Audits and Loss
Control Programs, 3rd
Ed. (M36)

Water Conservation
Programs-a Planning
Manual (M52)

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Providing a reliable supply of water requires being prepared for water shortages of varying degree and duration. What can a municipal water supplier do to mitigate water shortages

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caused by drought?

Preparing for drought and water shortages before they occur is the best defense.

This manual will help water managers facing water shortages by illustrating how

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to employ tried-and-true strategies and tactics of drought mitigation, as well as new tools and methods. Managing water shortages involves temporarily reducing demand and finding

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alternate water to temporarily increase supply. There are options available to water managers to accomplish this. The manual provides a proven, seven-step process to anticipate

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and respond to water shortages through a structured planning process. Meant to aid State & local emergency managers in their efforts to develop & maintain a viable all-hazard

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emergency operations plan. This guide clarifies the preparedness, response, & short-term recovery planning elements that warrant inclusion in emergency operations plans. It offers

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the best judgment & recommendations on how to deal with the entire planning process -- from forming a planning team to writing the plan. Specific topics of discussion include:

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preliminary considerations,
the planning process,
emergency operations plan
format, basic plan content,
functional annex content,
hazard-unique planning, &
linking Federal & State

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operations.

This completely updated version discusses such topics as raw water quality, treatment options, treatment chemicals, and drinking water regulations. It includes

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detailed illustrations, photographs, supplemental reading lists, a glossary, and an index.

This manual provides technical information to aid utility managers and

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engineers in making informed decisions, along with practical information about how methods can be deployed.

Updated from the 1989 version, this manual

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presents the basics of computerized programs and processes for control and maintenance of a water distribution system.

Discussed are operational functions that should be

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included, how systems should be designed and organized and what operators should be aware of to integrate new data into current systems.

[Awwa G440-17 Emergency](#)

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[Preparedness Practices](#)

[M1](#)

[Emergencies and Public
Health Crisis Management-
Current Perspectives on
Risks and Multiagency
Collaboration](#)

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[Microfiltration and
Ultrafiltration Membranes for
Drinking Water \(M53\)
Emergency Planning for
Water Utilities
Operational Guide to AWWA
Standard G400](#)

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[Water Treatment](#)

[Water Sources](#)

[M60](#)

[Water Fluoridation Principles
and Practices, 5th Ed. \(M4\)](#)

The revised manual contains new
material reflective of issues and changes in

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this evolving water industry. The manual provides guidance and recommendations on choosing rate structures and setting water rates, fees, and charges which will cover utility costs and future needs. The manual covers all types of rate structures, such as block

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rates, uniform rates, conservation rates, surcharges, and many others.

The successful management of emergencies and public health crises depends on adequate measures being implemented at all levels of the emergency chain of action, from policy

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makers to the general population. It starts with appropriate risk assessment, prevention, and mitigation and continues to prehospital and hospital care, recovery, and evaluation. All levels of action require well-thought out emergency management plans and

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routines based on established command and control, identified safety issues, functional communication, well-documented triage and treatment policies, and available logistics. All these characteristics are capabilities that should be developed and trained, particularly

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when diverse agencies are involved. In addition to institutional responses, a robust, community-based disaster response system can effectively mitigate and respond to all emergencies. A well-balanced response is largely dependent on local resources and regional

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responding agencies that all too often train and operate within “ silos ” , with an absence of interagency cooperation. The importance of this book issue is its commitment to all parts of emergency and public health crisis management from a multiagency perspective. It aims

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to discuss lessons learned and emerging risks, introduce new ideas about flexible surge capacity, and show the way it can practice multiagency collaboration. Guidance for implementing effective operation and management of drinking water treatment plants, as defined by

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AWWA G100, including regulatory compliance requirements, operational practices, capital asset management and maintenance, and water quality management. Includes practical examples, checklists, and questions

[Water Utility Management, 2nd Ed.](#)

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(M5)

Principles of Water Rates, Fees, and
Charges

Flexible-membrane Covers and Linings
for Potable Water Reservoirs

Water Chlorination and Chloramination
Practices and Principles, 2nd Ed. (M20)

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M5

[Awwa Water Operator Field Guide](#)