

Important Contacts

Owner _____

Water System _____

System Number _____

Date _____

System Operator _____

Office _____ Home _____

Cellular _____ Pager _____

Emergency Pager _____

Operator's Representative _____

Office _____ Home _____

Cellular _____ Pager _____

Managing Agent _____

Office _____ Home _____

Cellular _____ Pager _____

Association President _____

Office _____ Home _____

Emergency/Police/Fire 911

Department of Health _____

Regional Department of Water _____

Civil Defense _____

Power Company _____

Water Trucking (certified) _____

Generator _____

AWWA Water Operator Field Guide

Second Edition

Compiled by AWWA staff members:

William C. Lauer

Timothy J. McCandless

Dawn Flancher



**American Water Works
Association**

Science and Technology

AWWA unites the drinking water community by developing and distributing authoritative scientific and technological knowledge. Through its members, AWWA develops industry standards for products and processes that advance public health and safety. AWWA also provides quality improvement programs for water and wastewater utilities.

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**American Water Works
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6666 West Quincy Avenue
Denver, CO 80235-3098
303.794.7711

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Preface

This guide is a compilation of information, charts, graphs, formulas, and definitions that are used by water system operators in performing their daily duties. There is so much information, and contained in so many different sources, that finding it while in the field can be a problem. This guide compiles information mostly from AWWA manuals, books, and standards, but also from other generic information found in many publications.

The sections of this guide group the information based on how it would be used by the operator. The guide includes information for both water treatment and distribution system operators. Design engineers should also find this material helpful. Major sections include math, conversion factors, chemistry, safety, water quality, water treatment, distribution, wells, pumps, and pressure, flows, and meters. Perusing the guide will assist in finding handy information later.

This is the second edition of the field guide. Tables have been updated to reflect information in the current AWWA standards and manuals. Many example calculations were converted to a more understandable format. Thank you to Tim McCandless, Bill Lauer, and Dawn Flancher for their efforts in this revision.

If you would like to suggest changes or additions to the guide, please submit them to AWWA at Publishing Group, 6666 W. Quincy Ave., Denver, CO 80235.