

Wastewater Operator

CERTIFICATION STUDY GUIDE

A Guide to Preparing for Wastewater
Treatment Certification Exams

First Edition

John Giorgi



**American Water Works
Association**

Wastewater Operator Certification Study Guide: A Guide to Preparing for Wastewater Treatment Certification Exams

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Although this study guide has been extensively reviewed for accuracy, there may be an occasion to dispute an answer, either factually or in the interpretation of the question. AWWA has made every effort to correct or eliminate any questions that may be confusing or ambiguous. If you do find a question that you feel is confusing or incorrect, please contact the AWWA Publishing Group.

Additionally, it is important to understand the purpose of this study guide. It does not guarantee certification. It is intended to provide the operator with an understanding of the types of questions he or she will be presented with on a certification exam and the areas of knowledge that will be covered. AWWA highly recommends that you make use of the additional resources listed at the end of this study guide in preparing for your exam.

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This work is dedicated to my wife, Flora Zhou Giorgi; my children, Sara, Stephanie, and Steve; my mother, Thelma Giorgi; and my father, Albert Peter Giorgi.

Preface

This guide is intended to give operators practice answering questions that are similar in format and content to the questions that appear on certification exams. The questions in this study guide are not the same questions that will appear on the certification exam. However, the questions allow operators to experience the types of questions that may be on a certification exam. If you have difficulty answering any of the questions in this study guide, you should consult the reference source provided following the answer to the question.

American Water Works Association

AWWA is an international nonprofit and educational society and the largest and oldest organization of water professionals in the world. Its more than 55,000 members represent the full spectrum of the water community: treatment plant operators and managers, scientists, environmentalists, manufacturers, academicians, regulators, and others who hold genuine interest in water supply and public health. Membership includes more than 4,600 utilities that supply water to roughly 180 million people in North America. Through our collective strength, we become better stewards of water for the greatest good of the people and the environment.

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