

OPERATOR CERTIFICATION STUDY GUIDE

Fifth Edition

A Guide to Preparing for
Water Treatment
and Distribution Operator
Certification Exams



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Environmental Protection Agency, 1997 So! You Want to Study Chemistry What! You Need to Know Gaines Bradford Jackson, 2012-03 Practice Exams Ken Tesh, 2017-06-29 Who is this book for? This book is for anyone studying for the Grade 2 Water Distribution Operator Certification Exam. It is intended for newer operators. Grade 2 refers to the second certification level from the bottom. What's inside this book? This book contains three full-length practice tests that are based on the Grade 2 Water Distribution Operator Certification Exam. Each exam consists of 100 questions which test your knowledge of water distribution concepts and your ability to solve relevant math problems. There are a total of 300 questions in this book. Which topics are covered in this book? Concepts: 1 Water regulations 2 Water sources 3 Water mains 4 Tanks and reservoirs 5 Hydrants 6 Water meters 7 Valves 8 Water services 9 Cross connection 10 Wells 11 Pumps and motors 12 Disinfection 13 Operation and maintenance 14 Safety 15 Security and emergency preparedness 16 Mapping 17 Water quality 18 Hydraulics 19 Backflow devices 20 Sampling 21 Leak detection 22 Cathodic protection 23 Flushing Water math: 1 Disinfection 2 Lbs of chlorine gas required 3 Lbs of calcium hypochlorite required 4 Lbs of sodium hypochlorite required 5 Gallons of sodium hypochlorite required 6 Chlorine demand 7 Mixing solutions 8 Air line in a well 9 Specific capacity of a well 10 Pumps energy cost 11 Pumping water to a tank 12 Water meters 13 Water pressure in a tank 14 Water level in a tank 15 Fill time for a tank 16 Fill time for a pipeline 17 Detention time 18 Flushing 19 Flowrate 20 Water velocity 21 Water usage from a tank

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