



## WATER DISTRIBUTION EXAM REVIEW

### TIMELINE

*This is a 2.5 day class. Days 1 and 2 go from 8:00 AM to 4:00 PM with a 1-hour lunch break and two 15-minute breaks. Day 3 goes from 8:00 AM to 12:00 PM with one 15-minute break.*

6.5

#### DAY 1

8:00 AM – 8:30 AM	Course introduction
8:30 AM – 10:00 AM	Laboratory and compliance review
<i>15 minute break</i>	
10:15 AM – 12:00 PM	Continue laboratory and compliance review
<i>1 hour lunch</i>	
1:00 PM – 2:30 PM	Distribution systems
<i>15 minute break</i>	
2:45 PM – 4:00 PM	Pumps, equipment and electricity, practice exam

#### DAY 2

8:00 AM – 8:30 AM	Review of Day 1
8:30 AM – 10:30 AM	Water quality and disinfection
<i>15 minute break</i>	
10:45 AM – 12:00 PM	Safety, emergency planning, and security
<i>1 hour lunch</i>	
1:00 PM – 2:30 PM	Management
<i>15 minute break</i>	
2:45 PM – 3:15 PM	Review of regulations and compliance
3:15 PM – 4:00 PM	Practice questions and practice exam

DAY 3

8:00 AM – 10:15 AM

Math

*15 minute break*

10:30 AM – 12:00 PM

Review, practice exams

### AGENDA

This 2.5 day class prepares attendees to take the water distribution certification exams. Topics relevant to the exam will be presented along with practice worksheets and exams. Presentations will include PowerPoint slides, overheads and the use of a whiteboard. Reference materials will include our Water Distribution Exam Review Manual, a workbook that is currently being used in many states, and the Oregon Administrative Rules.



## DANIEL K. SANDER, P. E.

### BACKGROUND

Dan worked at the Washington State Department of Health, Office of Drinking Water from 1975 to 2005, as Section Head/Eastern Regional Manager of the Operations Section overseeing implementation of the state drinking water program. He was also their District/Regional Engineer. Currently, Dan is the owner of Sander Enterprises where he provides training to water and wastewater personnel, Department of Health and Local Health Jurisdiction staff, as well as providing reviews on planning-related documents for the Department of Health. Dan also provides Senior Engineering services as a consultant for Kennedy/Jenks Consultants. Dan has participated in all aspects of training from individuals to workshops and to large conferences, choosing specific topics and speakers, and developing and conducting training. Dan has gained a thorough knowledge about various State rules and regulations regarding public water systems and the Federal Safe Drinking Water Act. He continues to attend numerous educational events.

Dan assists BMI in developing and delivering training sessions for small water systems in Washington and Idaho. He is available to BMI on an as-needed basis for training and working with clients on compliance issues.

### EDUCATION

- Bachelor of Science, Civil Engineering, Marquette University, Milwaukee, Wisconsin
- Master of Science, Civil Engineering, Marquette University, Milwaukee, Wisconsin

### CERTIFICATIONS

- Professional Engineer, State of Washington (16329)
- Professional Engineer, State of Wisconsin (15731-006)

### MEMBERSHIPS

- American Water Works Association (AWWA) Life and Honorary Member
- Evergreen Rural Water of Washington (ERWOW)
- Washington State Environmental Health Association

### PROJECTS

#### **Material Preparation and Trainings – Washington and Idaho (2003 - present)**

Assists in developing and delivering BMI workshops, classes and presentations on more than 25 different SDWA topics to assist small system Operators in fulfilling their certification requirements.

*BMI is dedicated to the pursuit of clean, safe drinking water through education.*

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