Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Water Meters

Course title: Water Meters

Drinking Water CEUs: 1.5 h
Wastewater CEUs: 0 h

Instructor bio: **Maelle LIMOUZIN** is a Water Resources and Environmental Engineer who studied at UT Austin. She spent 10 years working in a consulting company for drinking water and wastewater public utilities and 3 years in a company that manages drinking water and wastewater facilities. Currently, she uses her technical expertise and experience to train public and private organizations in managing their drinking water and wastewater systems.

Course description: Accurately measuring water flow is essential for ensuring fair billing, detecting leaks, and maintaining efficient water distribution systems. This course introduces the different types of water meters used in the water industry – from traditional mechanical designs to advanced smart metering technologies. It explains how water meters work, how to choose the right one for each situation, and how to operate and maintain them to ensure reliable performance and accurate readings.

Learning goals:

- Explain how different types of water meters operate and their key applications
- Apply best practices to maintain and troubleshoot water meters to ensure accurate measurements
- Identify the criteria for selecting, installing, and reading water meters correctly

Tracking attendance method:
The e-learning platform offers a highly interactive experience designed to engage learners at every stage. It begins with an initial test to assess knowledge and tailor the learning journey. The course includes short, focused videos interspersed with mandatory training quizzes that reinforce key concepts and ensure active participation. Students are required to watch every video entirely and to answer practice questions before advancing to the next course module. Students cannot skip course content. A final quiz at the end of each chapter evaluates overall comprehension and certifies the learner's mastery of the material. Students must obtain a minimum score of 70% for every chapter's final quiz to successfully complete the course and obtain the certificate of attendance. The platform automatically tracks each learner's learning time. The real learning time is indicated alongside the delivered credits in the course completion certificate.

Course outline: Water Meters

Initial Test		10 min
1. Types of Water Meters and Their Applications	1.1. Course Glossary	1 min
	1.2. Introduction to Water Meters	5 min
	1.3. Velocity Meters	6 min
	1.4. Positive Displacement Meters	6 min
	1.5. Electromagnetic Meters	5 min
	1.6. Ultrasonic Meters	5 min
	1.7. Venturi Meters	5 min
	1.8. Chapter 1 - Fact Sheets	2 min
	Chapter final test	8 min
2. Installation and Operation of Water Meters	2.1. Selecting the Right Water Meter	5 min
	2.2. Best Practices for Operating and Reading Water Meters	9 min
	2.3. Maintenance and Troubleshooting	9 min
	2.4. Course Glossary	3 min
	2.4. Chapter 2 - Fact Sheets	2 min
	Chapter final test	5 min
Total Learning Time		86 min
Requested Contact Hours		1.5 h