Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Drinking Water and Wastewater Systems Mapping

Course title: Drinking Water and Wastewater Systems Mapping
Drinking Water CEUs: 1.5 h
Wastewater CEUs: 1.5 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: Mapping is a critical tool in managing drinking water and wastewater systems. It provides essential information for the design, operation, maintenance, and troubleshooting of distribution and collection systems, ensuring reliability and safety for users. Understanding and correctly using maps is fundamental for all water sector professionals. The course covers key mapping concepts such as orientation, scale, and elevation, and explains how to read and interpret drinking water and wastewater system maps. It also introduces Geographic Information Systems (GIS), field data collection practices, and methods for updating and troubleshooting maps.

Learning goals:

- Explain the importance of mapping in drinking water and wastewater systems
- Identify the different types of maps used in drinking water and wastewater systems
- Describe the role of Geographic Information Systems

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: Drinking Water and Wastewater Systems Mapping

Initial Test		6 min
1. Drinking Water and Wastewater Systems Mapping	1.1. Course Overview	1 min
	1.2. Importance of Mapping in Drinking Water and Wastewater Systems	6 min
	1.3. Geographic North, Map Scales, and Elevation	7 min
	1.4. Types of Maps Used in Drinking Water and Wastewater Systems	6 min
	1.5. How to Read Drinking Water Distribution System Maps	5 min
	1.6. How to Read Wastewater Collection System Maps	5 min
	1.7. Profile Drawings	7 min
	1.8. Geographic Information System (GIS)	6 min
	1.9. Field Data Collection and Mapping Updates	6 min
	1.10. Common Mapping Errors and Troubleshooting	7 min
	1.11. Course Glossary	2.5 min
	1.12. Chapter - Fact Sheet	7 min
	Chapter final test	12 min
Total Learning Time		84 min
Requested Contact Hours		1.5 h