Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Level Sensors in Drinking Water and Wastewater Systems

Course title: Level Sensors in Drinking Water and Wastewater Systems

Drinking Water CEUs: 2.0 h

Wastewater CEUs: 2.0 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: This course provides a thorough overview of level sensors used in drinking water and wastewater systems, covering different sensor types such as float sensors, conductive probes, and non-contact sensors. It also explores sensor installation, calibration, troubleshooting, and integration with programmable logic controllers (PLCs).

Learning goals:

- Explain and identify the different types of level sensors
- Explain how level sensors work

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: Level Sensors in Drinking Water and Wastewater Systems

Initial Test		12 min
1. Different Types of Level Sensors	1.1. Course Overview	1.5 min
	1.2. Where to Find Level Sensors	6 min
	1.3. Different Types of Level Sensors	5 min
	1.4. Chapter 1 - Fact Sheets	2 min
	Chapter final test	5 min
2. Basic Level Sensors	2.1. Using Float Sensors	7 min
	2.2. Using Conductive Probes	6 min
	2.3. Maintenance and Troubleshooting for Basic Level Sensors	7 min
	2.4. Chapter 2 - Fact Sheets	3 min
	Chapter final test	7 min
3. Working Principle of Level Sensors	3.1. Working Principle of Sensors	5 min
	3.2. Measuring Chain and 4-20 mA	5 min
	3.3. How Submersible Sensors Work	4 min
	3.4. Water Level Measurement Using a Non-Contact Sensor	5 min
	3.5. How to Calibrate a Sensor	5 min
	3.6. Sensor Faults	6 min
	3.7. Installation Precautions	6 min
	3.8. Sensors and Programmable Logic Controllers	6 min
	3.9. Course Glossary	3 min
	3.10. Chapter 3 - Fact Sheets	4 min
	Chapter final test	10 min
Total Learning Time		120 min
Requested Contact Hours		2 h