

Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Wastewater Treatment Ponds

Course title: Wastewater Treatment Ponds

Drinking Water CEUs: 0 h

Wastewater CEUs: 1.0 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: Wastewater treatment ponds are a natural and cost-effective solution for treating municipal wastewater, especially in small and rural communities. More than half of U.S. wastewater facilities use pond systems. This course covers both naturally aerated facultative ponds and mechanically aerated facultative ponds, explaining how they work and how to keep them performing well. You will learn the key steps from preliminary treatment to daily operation, monitoring, maintenance, and troubleshooting.

Learning goals:

- Explain how naturally and mechanically aerated facultative ponds work
- List the main steps for operating and maintaining wastewater treatment ponds
- Recognize common problems and how to fix them

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: Wastewater Treatment Ponds

Initial Test		8 min
1. Naturally Aerated Facultative Ponds	1.1. Course Overview	1 min
	1.2. Facultative Ponds	7 min
	1.3. Preliminary Treatment and Lift Stations	6 min
	1.4. Functioning of Facultative Ponds	7 min
	1.5. Daily Monitoring of Facultative Ponds	5 min
	1.6. Maintenance of Facultative Ponds	6 min
	1.7. Activity - Maintenance of Facultative Ponds	1 min
	1.8. Troubleshooting Facultative Ponds	7 min
	1.9. Chapter 1 - Fact Sheets	3 min
	Chapter final test	5 min
2. Mechanically Aerated Facultative Ponds	2.1. Aerated Ponds	6 min
	2.2. Functioning of Aerated Ponds	5 min
	2.3. Course Glossary	4 min
	2.3. Chapter 2 - Fact Sheets	1 min
	Chapter final test	3 min
Total Learning Time		75 min
Requested Contact Hours		1 h