

**Training Evaluation Request**  
**Oregon Environmental Services Advisory Council**  
**Watura**  
**Stages of Wastewater Treatment**

**Course title:** Stages of Wastewater Treatment

**Drinking Water CEUs:** 0 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:** Before being discharged into the environment, wastewater must first be treated. This course gives an overview of the main stages of wastewater treatment and sludge treatment. It includes preliminary treatment, primary treatment, secondary treatment, and odor control systems. It also focuses on the treatment of wastewater sludge, including thickening processes, dewatering processes, drying processes, and anaerobic digestion.

**Learning goals:**

- Describe the different stages of wastewater treatment
- Describe the different stages of wastewater sludge treatment

**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: Stages of Wastewater Treatment**

<b>Placement Test</b>		10 min
<b>1. Stages of Wastewater Treatment</b>	1.1. Course overview	1 min
	1.2. Main Stages of Wastewater Treatment	5 min
	1.3. Preliminary Treatment in Wastewater Treatment Plants	5 min
	1.4. Primary Treatment: Sedimentation	6 min
	1.5. Secondary Treatment or Biological Treatment	7 min
	1.6. Odor Control Systems	7 min
	1.7. Chapter 1 - Fact Sheets	2 min
	<b>Chapter final test</b>	8 min
<b>2. Stages of Wastewater Sludge Treatment</b>	2.1 Main Stages of Wastewater Sludge Treatment	5 min
	2.2. Thickening Processes	5 min
	2.3. Dewatering Processes	5 min
	2.4. Drying Processes	6 min
	2.5. Anaerobic Sludge Digestion	7 min
	2.6. Course Glossary	6 min
	2.7. Chapter 2 - Fact Sheets	2 min
	<b>Chapter final test</b>	8 min
<b>Total Learning Time</b>		90 min
<b>Requested Contact Hours</b>		1.5 h