

**Training Evaluation Request**  
**Oregon Environmental Services Advisory Council**  
**Watura**  
**Wastewater Composition and Characteristics**

**Course title:** Wastewater Composition and Characteristics

**Drinking Water CEUs:** 0 h

**Wastewater CEUs:** 1.0 h

**Instructor bio:** After completing a degree in Water Sciences and Technologies in Montpellier, followed by a Master's degree from the École Normale Supérieure and a PhD from the National Institute of Applied Sciences (INSA) in Lyon, **Roger PUJOL** has spent his entire career in the field of wastewater treatment. For 15 years, Roger PUJOL worked closely with local authorities, regulatory agencies, and regional branches of the national government. During this time, he also gained valuable experience in wastewater treatment at the National Institute for Research in Science and Technology for Agriculture and the Environment, where he worked as an engineer and later became head of the water treatment department. In 2000, he became National Technical Advisor for water treatment plants within Lyonnaise des Eaux (now SUEZ) and was responsible for coordinating wastewater utilities.

**Course description:** This course will help you understand the composition and characteristics of wastewater before it can be treated. It can contain various elements such as organic compounds, minerals, pollutants, and undesirable substances in different concentrations.

**Learning goals:**

- Explain the regulations applied to wastewater discharge
- Analyze the composition and characteristics of wastewater

**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 Composition and Characteristics

<b>Initial Test</b>		10 min
<b>1. Wastewater Composition and Characteristics</b>	1.1. Course Overview	1 min
	1.2. The Main Pollutants in Wastewater	4 min
	1.3. The Main Organic Compounds in Wastewater	4 min
	1.4.. Mineral Elements in Wastewater	4 min
	1.5. Undesirable Substances in Wastewater	4 min
	1.6. Concentrations of Domestic Wastewater	6 min
	1.7. Septicity in Wastewater	5 min
	1.8. Main Forms of Pollution	5 min
	1.10. Course Glossary	2 min
	1.9. Chapter 1 - Fact Sheets	3 min
	<b>Chapter final test</b>	12 min
<b>Total Learning Time</b>		60 min
<b>Requested Contact Hours</b>		1 h