

Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Drinking Water Pumping

Course title: Drinking Water Pumping

Drinking Water CEUs: 1.5 h

Wastewater CEUs: 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: Pumping is an essential element in drinking water distribution. Pumps are broadly categorized into two main types: centrifugal pumps and positive displacement pumps, both of which are used across a wide range of applications.

Learning goals:

- Distinguish between the two main types of pumps used in water systems
- Explain how pumping facilities 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: Drinking Water Pumping

Initial Test		8 min
1. Types of Pumps	1.1. Course Overview	1 min
	1.2. Introduction to Pumping	6 min
	1.3. Centrifugal Pumps	6 min
	1.4. Positive Displacement Pumps	6 min
	1.5. Chapter 1 - Fact Sheets	2 min
	Chapter final test	5 min
2. Surface Pumping Facilities	2.1. Operation of Surface Pump Facilities	6 min
	2.2. Problems Associated with Surface Pump Facilities	7 min
	2.3. Equipment for Preventing Water Hammer	6 min
	2.4. Chapter 2 - Fact Sheets	2 min
	Chapter final test	4 min
3. Use of Instrumentation	3.1. Flow Rate and Pressure Measurement with Instrumentation	8 min
	3.2. External Components of an Electrical Panel	4 min
	3.3. Internal Components of an Electrical Panel	7 min
	3.4. Course Glossary	5 min
	3.4. Chapter 3 - Fact Sheets	2 min
	Chapter final test	5 min
Total Learning Time		90 min
Requested Contact Hours		1.5 h