

Training Evaluation Request
Oregon Environmental Services Advisory Council
Watura
Maintenance of Drinking Water Systems

Course title: Maintenance of Drinking Water Systems

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: In this course, we begin by presenting the general concepts of maintenance, followed by the maintenance operations for drinking water distribution systems. Finally, we discuss maintenance operations for drinking water treatment plants.

Learning goals:

- Explain the management cycle of corrective and preventive maintenance work
- Prevent and manage leaks
- Carry out preventive maintenance operations in drinking water systems

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: Maintenance of Drinking Water Systems

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| Initial Test | | 12 min |
| 1. General Concepts of Maintenance | 1.1. Introduction to Maintenance | 7 min |
| | 1.2. Maintenance Work Management Process | 6 min |
| | 1.3. Chapter 1 - Fact Sheets | 1 min |
| | Chapter final test | 3 min |
| 2. Maintenance of Drinking Water Distribution Systems | 2.1. Preventive Maintenance of the Main Components in a Drinking Water Distribution System | 7 min |
| | 2.2. The Causes, Origins and Consequences of Leaks | 6 min |
| | 2.3. Leak Detection | 4 min |
| | 2.4. Intervention on a Leak | 5 min |
| | 2.5. Chapter 2 - Fact Sheets | 3 min |
| | Chapter final test | 6 min |
| 3. Maintenance of Drinking Water Facilities and Treatment Plants | 3.1. Preventive Maintenance of the Main Components in Drinking Water Facilities and Wastewater Treatment Plants | 7 min |
| | 3.2. Problems Encountered in Electro Pump Units | 6 min |
| | 3.3. Preventive Maintenance of Electro Pump Units | 5 min |
| | 3.4. Chapter 3 - Fact Sheets | 3 min |
| | Chapter final test | 4 min |
| Total Learning Time | | 85 min |
| Requested Contact Hours | | 1.5 h |