

Water Treatment: Filtration and Additional Treatment Processes

Learning Objectives

So far, we've covered the first couple of steps in the conventional treatment process (intake structures, coagulation, flocculation, and sedimentation). In this course, you will learn about filtration, the water treatment process after coagulation, flocculation, and sedimentation. Specifically, you will learn about:

The types of filtrations (Conventional and Direct)

- Filtration units and media
- Filter design and pre-treatment
- Filter operation, efficiency, and performance
- Filter backwashing
- Membrane Filtration

Then we will explore some additional water treatment processes. Depending on the physical characteristics of your source water, additional treatment beyond conventional treatment may be required or highly recommended. Specifically, you will learn about:

- Corrosion Control
- Taste & Odor
- Iron and Manganese

Training Methods

Our training methods that will be applied, are interactive learning through the videos displayed on our website, WaterLMS. Attendees will have to take quizzes and tests, as well as being interactive throughout the whole duration of the course. They can not skip forward, and is required to be active for the duration of the course, being able to get the full experience out of our courses and prepare them for the real duties they will encounter.

Courses can be taken in a learning plan, all together or be taken individually.

Course Content

- Filtration and Additional Water Treatment Processes SCORM
- Filtration and Additional Treatment: Final Exam Test
- General Course Survey

Course Outline

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| 1. <i>Water Treatment: Filtration and Additional Treatment Processes</i> | <i>1 hrs</i> |
| <i>Self- Paced</i> | <i>Total 1 hrs</i> |

Student Assessment

Upon class completion, students will be tested using an open question & answer session, to ensure there is a general understanding of the materials presented during the course.

Instructor Bio:

Is strictly online, so no instructor is needed.

Please reach out if you have any questions, or is wanting to take the course yourself, to provide a better understanding of the ones we provide.