

CEU Evaluation Request (6 hours)

Class: Water Treatment and Distribution Level 3, 4, and Filter Endorsement

Dates: Ongoing, Various

CEU total: 0.6 (Water, Wastewater, Onsite Installers)

Instructors: Heath Cokeley, Mike Collier, Hans Schroeder, Tim Tice, Scott Berry

This class will be a real-world discussion utilizing a diagram of an actual water treatment facility to give attendees the knowledge necessary to test for their level 3 and 4 Water Treatment and Distribution Certification as well as their Filter endorsement. Different types of water filtration plants that are used in the water industry will be discussed in depth as well as proper operations of those filters focusing specifically on the math required to run Conventional and Direct Water Filtration plants. The math required to install, bring into service and operate the Distribution systems served by these Water Filtration Plants will also be reviewed.

8:00 – 10:00 (0.2)

- Discuss various types of water filtration plants used in the water industry.
- An overview of how these plants operate.
- Discuss the equipment it takes to operate these plants and proper maintenance of that equipment.
- Review the capability of these plants to filter water as well as their limitations.

10:00-10:15 BREAK

10:15 – 11:45 (0.15)

- Math principles and applications regarding the filter plant operation will be discussed.
- A real-world diagram of a water treatment facility will be reviewed as well as math problems derived from that diagram will be discussed and completed in a class room setting.

11:45-12:45 Lunch

12:45-3:15 (0.25)

- Continuation on the last class building on additional math problems derived from the diagram of the water filtration facility.
- Operational changes that can be made to the water filtration facility to improve the water quality and the functionality of the water filtration plant.
- Discuss the installation process of a water distribution system and its appurtenances.
- Review the math necessary to bring a newly installed mainline into service considering disinfection, flushing, and other factors that will need to be considered.
- Review the proper day to day operations of that new water distribution line after it is put into operation.