



BACKFLOW ASSEMBLY TESTER RECERTIFICATION

Objective

A one-day course, the Backflow Assembly Tester Recertification Course is designed to meet the regulatory agency's requirements for tester certification renewal, including review of the cross connection control program regulations, review and discussion of tester safety issues, review of the approved test procedures and demonstrations of proficiency in testing the various backflow assemblies. A test simulator is used to create a variety of failure conditions to help testers recognize and diagnose problems in the field.

Target Audience

- 1) Backflow Assembly Testers renewing their OHA-issued certification, 0.6 CEU
- 2) Backflow Assembly Testers from other states applying for certification under reciprocity rules in Oregon, 0.6 CEU
- 3) Wastewater Treatment Plant Operators 0.6 CEU for the importance of understanding the severe health hazards at wastewater plants and applying protection to the potable drinking water.

Text manuals and materials

- Handout of current state rules and regulations.
- Test procedures and troubleshooting reference sheets for backflow assembly testing.
- 30" x 48" wall placards of various assemblies.
- Brass cutaways of assemblies and devices.
- Atmospheric monitor – hand held "Auto Cal" 4-gas monitor
- Pressurized test stands (each stand includes RP, DCVA, PVB, and SVB assemblies).
- Failure Simulator – a manifold of valves that is used to simulate assembly component part failures while student performs test procedures.

Timeline

This class runs from 8:00 AM to 3:30 PM with a 1-hour lunch break

- 1) Discussion and review of current federal, state and local regulations as they apply to backflow assembly testers and cross connections.
- 2) Discussion and review of basic hydraulics, current testing issues, approved assemblies, tester safety and confined space testing regulations.

**** 15 minute break ****

- 3) Review of the functions, testing and troubleshooting on all four types of backflow prevention assemblies.
- 4) Demonstration and review of currently approved testing procedures.

**** Lunch break 1 hour ****

- 5) Question and answer period.
- 6) Student hands-on practice of test procedures and troubleshooting with oversight by instructor.

**** 15 minute break ****

- 7) Administration of written quiz. Hands-on test procedure proficiency examination on each type of assembly, including evaluation of failures and proper completion of test report forms.