SC DEPARTMENT of ENVIRONMENTAL SERVICES

TESTER CERTIFICATION COURSE OVERVIEW

This vigorous four-day course provides South Carolina Dept. of Environmental Services (SC DES) guidelines for backflow prevention & Cross-Connection Control. At the end of the course, a proctored individual evaluation, both written and hands-on is administered. Students must pass both exams to receive the SC DES certification .

- Students are expected to spend time each evening studying the material to prepare for the exams.

This course is for Tester Certification only. This class covers assembly testing & basic troubleshooting. For repair classes and advanced troubleshooting, you may take an independent repair class offered by many organizations. South Carolina Backflow Prevention Assembly Testers hold valid certification for three-years from the date of initial certification and/or recertification.

Course Objective:

The Backflow Prevention Assembly Tester Certification is required by SC DES and administrative authorities around the state to assure the backflow prevention assemblies installed continue to protect the drinking water. The Backflow Assembly Tester course is a rigorous four-day course that meets all SC DES standards for certification in backflow assembly prevention testing. Time is spent in the classroom and the working wet lab. Students receive many hours of hands-on and practical instruction on how to test backflow assemblies. Upon **successfully** passing a hands-on test in the lab and a written exam, students are awarded a certification as a Backflow Prevention Assembly Tester.

Upon completion of the course the student should be able to:

- Understand the basic hydraulics of a backflow condition and the differences between backflow due to backpressure and backsiphonage
- Know the different types of backflow prevention assemblies, devices & methods and what backflow conditions they protect against.
- **Without using the written procedures**, demonstrate proper field test procedure for the reduced pressure principal backflow prevention assembly.
- **Without using the written procedures**, demonstrate proper field test procedure for the double check valve assembly.
- **Without using the written procedures**, demonstrate proper field test procedure for the pressure vacuum breaker assembly.

Please Note:

*** Student must be present for entire course to receive certification***

*** Meals are not provided and are the responsibility of the student ***