Affidavit of Training

1. Types of cross-connections, definitions
   Historical background
   Plumbing water distribution
   Plumbing cross-connections
   Cross-connection incidents
   Industry and public health significance of cross-connections

2. Drinking Water Regulations
   Safe Drinking Water Act
   Primary and secondary standards and MCL’s
   Toxicology

3. Cross connection programs
   Responsibilities (Purveyor, Tester, Surveyor, Repairer)
   Cross-connection control surveys
   Security for Backflow Prevention Assemblies

4. Definitions, vocabulary & terminology pertaining to:
   backflow preventers
   devices
   hydraulics
   plumbing & cross-connection control industry

5. Hydraulics & science pertaining to:
   backsiphonage
   backpressure
   atmospheric pressure
   absolute pressure
   gauge pressure
   backflow
   thermal expansion
   Venturi principle

6. Laws, rules, regulations, codes - federal, state & local levels:
   EPA
   City ordinances
   State or Model Plumbing Code
   State, County & City Ordinances

7. Knowledge & identification of the following:
   listing agencies
   testing laboratories
   professional associations

8. Assembly test gauge equipment - knowledge & operation
   Series 5000 qualifications

04/2004
9. Parts, terminology & identification, and application & installation for the following:
   - Air Gap
   - Atmospheric Type Vacuum Breakers (ASSE 1001)
   - Reduced Pressure Principle Backflow Preventers (ASSE 1013)
   - Double Check Backflow Prevention Assemblies (ASSE 1015)
   - Pressure Vacuum Breaker Assembly (ASSE 1020)
   - Reduced Pressure Detector Fire Protection Backflow Prevention Assembly (ASSE 1047)
   - Double Check Detector Fire Protection Backflow Prevention Assemblies (ASSE 1048)
   - Hose Connection Backflow Preventer (ASSE 1052)
   - Spill Resistant Vacuum Breaker (ASSE 1056)
   - Backflow Prevention Assembly Field Test Kits (ASSE 1064)

10. Test Procedures for Backflow Prevention Assemblies:
   - Reduced Pressure Principle Backflow Preventers (ASSE 1013)
   - Double Check Backflow Prevention Assemblies (ASSE 1015)
   - Pressure Vacuum Breaker Assembly (ASSE 1020)
   - RPDF (ASSE 1047)
   - DCD (ASSE 1048)

11. Troubleshooting backflow prevention assemblies, failures & causes:
   - Reduced Pressure Principle Backflow Preventers (ASSE 1013)
   - Double Check Backflow Prevention Assemblies (ASSE 1015)
   - Pressure Vacuum Breaker Assembly (ASSE 1020)
   - RPDF (ASSE 1047)
   - DCD (ASSE 1048)
   - Components
   - Check valves
   - Relief valve
   - Air inlet
   - Test cocks
   - Shut-off valves

12. Documentation of information
13. Tester responsibilities
14. Safety

I verify that I have knowledge in each of the above mentioned subjects and have been given the opportunity, in this course, to review any of these subjects with the instructor.