



## **COURSE AGENDA**

### **CROSS CONNECTION SPECIALIST CERTIFICATION**

#### **Objective:**

This four-day course is intended to provide the cross connection control specialist with the required information to establish, implement and maintain a cross connection control program for water systems of all sizes. It is designed to meet the regulatory agency's requirements for initial certification as a cross connection specialist as well as provide related water and wastewater personnel with an understanding of the hazards and protection of cross connections.

Special attention is given to the steps necessary for implementing a program, from ordinance writing and public education to performing surveys and setting up a record keeping system. The cross connection control specialist needs to understand the regulations and maintain positive and educational communication with the general public, water system staff and coordinate with various regulating agencies to help assure safe, clean drinking water.

#### **Target Audience**

1. Cross connection specialists applying for OHA certification requiring OESAC-approved CEU. Journeyman plumbers that need code-related credits for their continuing education requirements (currently approved for 32 CR with Building Codes Division).
2. Water Distribution Managers/Operators for 3.2 CEU who may also be the responsible person overseeing a backflow/cross connection control program and therefore requiring the broad scope of knowledge and training provided at this class.
3. DEQ Waste Water and Water Treatment Plant Operators for 3.2 CEU because cross connection control, backflow prevention, understanding the potential hazards and the ability to survey, inspect and protect their facilities are very important due to often complicated piping systems, chemicals used and the number of health hazards present.

Continued...

***BMI is dedicated to the pursuit of clean, safe drinking water through education.***

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### **Text manuals and materials:**

- *Cross Connection from A to Z – A Comprehensive Guide to Cross Connection Control Programs*, published by BMI, 1996 rev. 2011.
- Chapter 6, “Water Supply and Distribution”, *Uniform Plumbing Code*, published by Int’l Assoc. of Plumbing and Mechanical Officials.
- “Permit-Required Confined Spaces”, OSHA Federal Regulation 29CFR1910.146
- *Cross Connection Control Manual, 7<sup>th</sup> Edition*, published by PNWS-AWWA Cross connection Control Committee.
- *Manual of Cross Connection Control, 10<sup>th</sup> Edition*, published by University of Southern California, Foundation for Cross Connection Control and Hydraulic Research.
- *Oregon Administrative Rules 333-061 for the Drinking Water Program*, published by the State of Oregon, latest edition.
- Overhead projection of text materials.
- Brass cutaway models of backflow assemblies, large and small complete and plumbed assemblies, devices and poster-sized mechanical drawings of each type of assembly during various hydraulic conditions.
- Examples of cross connection control enforcement documents.
- Atmospheric monitor and related safety equipment for confined space entry; personal protection equipment and safety during surveys of facilities.

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