



Yukon Water & Wastewater Operator Program

Cross Connection Control Awareness

Course Outline

Course Description

This 1 day course is intended as an overview for participants interested in cross connection control. This information in this course is not intended to be used as a sole source of information for a Cross Connection Control Program.

The main objective of the course is to provide knowledge and awareness to operators regarding cross connections, legalities, hazard classifications, and methods of preventing backflow conditions pertaining to the protection of drinking water supplies.

Course Pre-requisites

There are no pre-requisites for this course.

CEU Credit

This course is not registered with EOCP at this time.

Course Duration

- 1 days
- 8:30 am to 4:00 pm each day
- 1 hour lunch break
- morning and afternoon break (15 minutes each)

Learning Outcomes

By the end of the course, the students will:

- Understand what is a cross connection.
- Recognize cross connections and understand conditions which may allow contaminants or pollutants to enter a potable water system.
- Understand the importance of cross connection control to help protect owners, technicians, system operators, along with communities from litigation resulting from illegal or unsafe acts.
- Understand public health concerns related to disease, chemical, and physical hazards with respect to potential cross connections with drinking water.
- Be able to reference national and territorial plumbing codes.
- Understand the possible causes of backflow (backsiphonage and backpressure).
- Understand the three hazard classifications of cross connection and be able to identify, assess, and classify the hazard.
- Understand how to control cross connection contamination by methods of backflow prevention.
- Be aware of the methods used to prevent backflow pertaining to their hazard classification.
- Understand the types of backflow prevention devices and their unique features.
- General understanding of a cross connection control program for the purpose of ensuring safe drinking water quality and protecting the health of staff the public.
- Be aware of education, training, and recordkeeping requirements involved with a cross connection control program.
- Understand the cross connections associated with water distribution systems unique to the northern region climate such as water recirculation, re-heating, blow-offs, and continual draining to sewer.

One Day Outline

Day One:

Introduction and Expectations

Chapter 1: Introduction to Cross Connection Control

Chapter 2: Legal Considerations

Chapter 3: Health Considerations

Chapter 4: The Plumbing Code and Cross Connection Control

Chapter 5: Hazard Classification
Chapter 6: Methods of Backflow Control
Chapter 7: Starting a Cross Connection Control Program
Chapter 8: Northern Weather Considerations
Review and Questions

Course Requirements

Attendance and participation in class are required. CEUs will be allocated based on attendance and course completion; Yukon College records will show a pass or fail result. If the participant doesn't attend the class, Yukon College records will show a "no show" result and no CEUs will be allocated.

Evaluation

There will be a quantifiable evaluation at the end of this course with a passing mark of 70%. If anyone fails this evaluation, arrangements can be made for a re-assessment. Please note that this evaluation is for self-assessment purpose only.