



Yukon Water & Wastewater Operator Program

## **Cross Connection/Backflow Assembly Tester Recertification**

### **Course Outline**

---

|                    |                   |
|--------------------|-------------------|
| <b>INSTRUCTOR:</b> | Trevor Hoff       |
| <b>DATE:</b>       | May 11 - 15, 2020 |
| <b>TIME:</b>       | 5:00 pm – 7:15 pm |
| <b>LOCATION:</b>   | Ayamdigut         |

---

### **Course Description**

This course is composed of evening sessions for 4 days followed by written and practical exams on the 5th day. This 9-hour recertification course meets the requirements of the BCWWA recertification guidelines and provides existing certified testers the opportunity to ensure they are up to date with the latest testing procedures and are familiar with AWWA Canadian Cross Connection test requirements and plumbing codes. The course is followed by the recertification written and practical exams.

### **Course Pre-requisites**

There are no specific pre-requisites for this course. However, Grade 12 (or equivalent) math skills are an asset. Math upgrades are available –contact us.

### **Continuing Education Units (CEUs)**

This course is accepted with EOCP as core for WWC - WD - WWT - WT - SWWS - SWS for 0.9 CEUs.

### **Course Duration**

- 5 days
- 5:00 pm to 7:15 pm each day, except last day from 8:00 am to 5:00 pm

### **Course Topics and Learning Outcomes**

Upon successful completion of the course, the participants will be able to:

AWWA Canadian Tester Certification policies

- Understand the current policies and how they apply



AWWA Canadian / CCC Manual review

- Identify and review key components of the manual

Current testing procedures

- Hone testing skills on the RPB, DCV, PVB and SVB

New test forms and common errors

- Proper use of the BCWWA practical test form

Review CSA B64

- Re-enforce the working knowledge of the key components and use of B64

Plumbing / Building Code

- Re-enforce a working knowledge of key components of relevant Codes

Basic troubleshooting concepts

- Be able to recognize common failures in BFPs

Local bylaws and other relevant news

- Gain a working knowledge of the relationship between Codes and local bylaws

### **Material/Handouts (supplied)**

- Handouts: MTS Maintenance Training Systems Inc. Vernon BC
- Reference Manual: Western Canada Water Section - American Water Works Association (WCS AWWA). AWWA Canadian Cross Connection Control. Cochrane AB.
- EOCP Course Completion and Evaluation Form.
  - every student needs to complete and return this form for any CEU allocation
- Calculators are provided but students are welcome to use their own.
  - please return



### **Course Requirements**

Attendance and participation in class are required. It is the student's responsibility to attend all classes.

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. Please note that this evaluation is for self-assessment purpose only.

**The final evaluation for this course is NOT the BCWWA certification exam. To challenge the certification exam, register separately with BCWWA at least 3 weeks in advance: 1-877-433-4389 or [www.bcwwa.org](http://www.bcwwa.org).**

BCWWA certification exam includes 50 multiple choice questions (75 % passing mark) and a practical demonstration of ability to test valves as listed above. Successful completion of this certification exam provides a BCWWA Backflow Assembly Tester Certificate.

### **Appropriate Language**

In all areas of the college environment, students are responsible for showing respect for others. Swearing, or language that is discriminatory or derogatory in relation to race, sex, ethnic background, religious beliefs, age, and physical condition is not appropriate.

### **Electronic Devices**

In order to be successful in classes and minimize distractions for others, cell phones, iPods, and other electronic devices must be turned off while students are in class. In an emergency situation, the instructor may give a student permission to use a cell phone or pager.

### **Academic and Student Conduct**

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/Admissions & Registrations web page.



### **Plagiarism**

Plagiarism is a serious academic offence. Plagiarism occurs when students present the words of someone else as their own. Plagiarism can be the deliberate use of a whole piece of another person's writing, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material. Whenever the words, research or ideas of others are directly quoted or paraphrased, they must be documented according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Resubmitting a paper which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the College.

### **Academic Accommodation**

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, they should contact the Learning Assistance Centre (LAC) at [lassist@yukoncollege.yk.ca](mailto:lassist@yukoncollege.yk.ca).

### **Class Outline**

| <b>Topic</b>                                    | <b>Time Allocation (hr)</b> |
|---|-----------------------------|
| Introductions and Agenda review                 | 0.15                        |
| AWWA Canadian / CCC Manual Review               | 1.00                        |
| New test forms and common errors                | 0.15                        |
| DCV test procedures – review and practice       | 1.75                        |
| Review CSA B64                                  | 0.50                        |
| RPB test procedures – review and practice       | 2.00                        |
| Review Plumbing / Building Codes                | 0.50                        |
| PVB / SVB test procedures – review and practice | 1.50                        |
| Basic troubleshooting concepts                  | 0.75                        |
| Review of local bylaws and other relevant news  | 0.50                        |
| Warp-up and exam writing techniques             | 0.50                        |