



Yukon Water & Wastewater Operator Program

# Water System Liabilities, Responsibilities, Operations and Maintenance

## Course Outline

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**INSTRUCTOR:** Mike Firlotte

**DATE:**

**TIME:**

**LOCATION:**

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### **Course Description**

This 3 hour course provides an overview of safe drinking water practices, regulatory requirements and roles and liabilities of system owners and operators. Operation and maintenance of drinking water systems is introduced. This course provides awareness and knowledge that are critical to making good decisions about water systems in Yukon.

The course is targeted at water system owners in Yukon, including Mayors, Chiefs, municipal councillors, First Nation councillors, chief executive officers, senior administrators, and territorial and federal government employees. The course is also relevant to water operators, health professionals, supervisors, and technicians.

### **Course Pre-requisites**

There are no specific pre-requisites for this course.

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

This course is recognized by EOCP for 0.3 CEUs (core for WT, WD and SWS certifications and related for SWWS, WWT and WWC certifications).

### **Course Duration**

- 3 hours
- 8:30 am to 11:45 am
- Morning break (15 minutes)



## **Course Topics and Learning Outcomes**

### Taking Care of your Drinking Water System

- Introduction to the Yukon Drinking Water Regulations and Responsibilities of System Owners
- Source Water Protection
- System Operation and Maintenance (Responsibilities and Duties)
- Liability and System Risks
- Emergency Response Planning

### Introduction to Drinking Water Treatment

- Common Treatment Processes
- Guidelines for Canadian Drinking Water Quality (Treatment Objectives)
- Disinfection

## **Delivery Method/Format**

<b>Instructional Method</b>	<b>Percentage of Class Time</b>
Presentation / Lecture	90%
Discussion	10%

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

- Student Binder: Yukon College, 2020. Water System Liabilities, Responsibilities, Operations and Maintenance; an elective workplace essential skills course. Whitehorse, Yukon.
- EOCP Course Completion and Evaluation Form.
  - every student needs to complete and return this form for any CEU allocation

## **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 with a passing mark of 70%. Please note that this evaluation is for self-assessment purpose only.

**The final evaluation for this course is NOT an EOCP certification exam. To challenge a certification exam, register separately with EOCP at least 3 weeks in advance: 1-866-552-3627 or [crm.eocp.ca](http://crm.eocp.ca).**

### **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 (867) 668-8785 or [lassist@yukoncollege.yk.ca](mailto:lassist@yukoncollege.yk.ca).

### **Class Outline**

- Taking Care of Your Drinking Water System (1.5 hours)
- Break (0.25 hours)
- Introduction to Drinking Water Treatment (1.5 hours)