



Developer and Owner – WWOTC

Online Course – Instructor Led

Winter Wise – The Cold Hard Facts about Distribution Systems

November 15-16, 2021 (8:30 – 12:30 AST)

Course Objective / Description

This course was developed to provide valuable knowledge about maintaining municipal infrastructure in harsh winter climates. It will entail steps to prepare for winter temperatures, as well as procedures to deal with scenarios that may occur during some misfortune that Mother Nature may dish out.

This course is ideal for all, Engineers, Managers, Supervisors, Operators, Inspectors, providing everyone with an insight from the start of initial design and the end result of maintenance.

What will be covered:

- Freezing Probabilities
- Variables Affecting Depth of Frost Penetration
- Cold Weather & Pressure Transients
- Winterizing fire hydrants
 - Methods
 - Unthawing methods
- Water services
 - Unthawing methods
- Watermain design and maintenance
- Valve chamber maintenance
- Sample stations
 - Winterizing
- Auto flusher maintenance
- Introduction to Technology Alternatives
- Winter Safety
- Practical Portion
 - Identification and breakdown of hydrants
 - Sample stations

Lesson	Description	Contact Hours
Lesson 1	Introduction and Overview	0.5
Lesson 2	Properties of Water, Freezing Probabilities	1.5
Lesson 3	Winterizing Hydrants, Thawing Methods	1.0

Lesson 4	Water Service Thawing	0.75
Lesson 5	Sampling Stations	1.0
Lesson 6	Winter Safety	0.25
Lesson 7	Risk Management	1.0
	Exam	0.5
	Total Instruction/Contact Time:	7.0

CEU: 0.7

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Name: _____

Company: _____

Company Mailing Address _____

City, Province: _____ Postal Code: _____

Phone: _____ Email: _____

ACWWA Membership #: _____ WEF Membership #: _____

If no membership number is listed, you will be invoiced as a non-member. See pricing below.

Fee for ACWWA or WEF Members & Employees of UTILITY Members

Course: \$345.00 + \$51.75 HST (15%) = \$396.75

Fee for Non – Members

Course: \$370.00 + \$55.50 HST (15%) = \$425.50

Invoices will be sent to the address listed above.

PO number to be included on the invoice _____

Payment can be made by Visa, Master Card or cheque.

Card Holder's Name _____

Credit Card Number _____ Expiry _____

Signature _____

Email address for credit card receipt _____

<p>Cheques should be made payable to: ACWWA PO Box 28141 · Dartmouth, NS · B2W 6E2 Phone 902-434-6002 Fax 902-435-7796</p>
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