Developer and Owner – WWOTC

Online Course – Instructor Led

Impacts of Trapped Air Particles in the Water Distribution System

November 21-22, 2023 (1:00 – 5:00 PM AST)

Course Objective / Description

The objective of this course is to understand and minimize the influences of air on our distribution system.
What will be covered:

- How air travels into water distribution pipes
- Impacts of air pockets that generate destructive forces
- Importance of continuously purging air to maintain pipeline efficiency
- Understanding gas laws that details out how air will behave in a pressurized system
- Operational procedures that can minimize air pockets in water systems
- Examination of old air valve designs to understand performance deficiencies that can impact how pipelines are filled and drained
- Review of air valve inspection procedures and hands-on exercises for operators
- How air bubbles can be removed with swabs & ice pigging
- Cavitation

Lesson	Description	Contact Hours
Lesson 1	Sources of Dissolved Air	2.0
Lesson 2	Air in Distribution Pipes	1.75
Lesson 3	Air Valves	0.75
Lesson 4	Dissolved Air Flotation	0.75
Lesson 5	Biofilm Effects	1.00
	Review and Exam	0.75
	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: $355.00 + $53.25 HST (15%) = $408.25

Fee for Non – Members
Course: $380.00 + $57.00 HST (15%) = $437.00

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_____

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