



Developer and Owner – WWOTC

Online Course – Instructor Led

SCADA System Overview for Water Operators

April 14 – 15, 2026 (1:00 – 5:00 PM AST)

Course Objective / Description

This course introduces water operators to Supervisory Control and Data Acquisition (SCADA) systems, focusing on the key components, functionality, and applications within water treatment and distribution. Participants will gain foundational knowledge of SCADA’s role in enhancing process control, monitoring, and data acquisition in water systems.

What will be covered:

- Overview of SCADA: purpose, components, and operation
- Key SCADA system components: sensors, actuators, RTUs, PLCs and HMIs
- SCADA applications for water treatment and distribution monitoring
- Communication networks and data acquisition methods
- Basic troubleshooting and maintenance of SCADA systems

This one-day course is ideal for water treatment operators seeking to understand SCADA systems’ structure, functionality, and role in optimizing water treatment processes.

Lesson	Description	Contact Hours
Lesson 1	Introduction	0.5
Lesson 2	Features of the SCADA System	1.5
	Break	0.25
Lesson 3	Data and Communication	1.75
	Lunch	0.5
Lesson 4	SCADA Architecture	1.5
Lesson 5	Process Control	0.5
	Break	0.25
Lesson 6	Wireless and Security	0.75
	Exam	0.5

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 + \$49.70 \text{ HST (14\%)} = \404.70

Fee for Non – Members

Course: $\$380.00 + \$53.20 \text{ HST (14\%)} = \433.20

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