



# Water & Wastewater Fundamentals

**May 11-12, 2017**

**Charlottetown, PE**

**COURSE OBJECTIVES:**

This two day workshop is designed for learners to develop a good working knowledge of the fundamental science and math required of all water and wastewater operators. Key concepts are introduced by addressing the language and foundational components of the industry in a step by step process. Operators are prepared for success in the various levels of training required to obtain certification and meet the growing demands of the industry.

**WHO SHOULD ATTEND:**

This two day workshop is geared to new or prospective water and wastewater operators. Experienced and-or certified operators may also benefit from this workshop if they wish to challenge a higher level or just want to reinforce or enhance their basic knowledge.

**OUTLINE:**

<b>Day One</b>	<b>Day Two</b>
Introductions Housekeeping & Expectations	Formulas
A Brief History of Water and Wastewater	Dosage Calculations
Terminology and Pesky Acronyms	Problem Solving
<b>Coffee</b>	<b>Coffee</b>
Environmental Hydrology, What is Water?	Measuring, Monitoring and Metering
Water Quality, Sources, Standards and Expectations	Ideal Gas Laws and Reality Checks
Water and Wastewater Chemistry	Environmental and Safety Issues
<b>Lunch On Your Own</b>	<b>Lunch On Your Own</b>
Math Requirements, Units of Measure	Electricity Basics
Basic Calculations	Control Basics
<b>Coffee</b>	<b>Coffee</b>
Metric System vs. Imperial	Overview of Water Treatment
Conversions	Overview of Wastewater Treatment
Review	Review and Wrap-up

- Provided:** Workbook and all reference materials.  
**Please Bring:** A good calculator, writing instrument of choice

**REGISTRATION INFORMATION:**

Registration can be made by faxing or mailing the registration form on the reverse of this page, or on-line at [www.acwwa.ca](http://www.acwwa.ca). For further information, please contact ACWWA Section office at 902-434-6002.

**COURSE FORMAT:**

Every attempt is made to keep the course informal and an enjoyable day-long training experience. Registration starts at 8:00 am, and the instructor will start shortly after 8:30. Wrap-up time is usually around 3:30-4:00pm. Though all workshops are non-smoking, ample breaks are provided for coffee and discussion.

**COURSE LOCATION:**

Best Western  
238 Grafton St.  
Charlottetown, PE

Please print clearly and fax or mail to the address listed on the bottom of this form.

**Water and Wastewater Fundamentals**

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**Charlottetown, PE**

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City, Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

ACWWA Membership No: \_\_\_\_\_ WEF Membership No: \_\_\_\_\_

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: \$475.00 + \$71.25 HST (15%) = \$546.25

**Fee for Non – Members**

Course: \$495.00 + \$74.25 HST (15%) = \$569.25

Fees include coffee breaks.

**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