

**Developer and Owner – WWOTC**

**Online Course – Instructor Led**

## **Math for the Collection System Operator**

**October 10-11, 2023 (1:00-5:00 AST)**

### **Course Objective / Description**

This one day course will cover mathematics as used in the operation and maintenance of wastewater collection

systems. This course will help to increase your understanding of the wastewater collection system and its operation through the use of calculations. It also gives practical experience in the application of math to wastewater problems.

### **What will be covered:**

- Whole numbers, fractions, decimals
- Basic mathematics
- Area, volume, ratios, metric units
- Problem solving
- Wastewater collection calculations
- Everyday use of math

| <b>Lesson</b> | <b>Description</b>                     | <b>Contact Hours</b> |
|---------------|--|----------------------|
| Lesson 1      | Metric Overview and Formulas           | 1.0                  |
| Lesson 2      | Proper use of Formulas                 | 1.0                  |
|               | <b>Break</b>                           |                      |
| Lesson 3      | Basic WW Collection Math               | 1.0                  |
| Lesson 4      |  | 0.75                 |
|               | <b>Lunch</b>                           |                      |
| Lesson 5      | Wastewater Math                        | 0.75                 |
| Lesson 6      | Flows and Hydraulics                   | 0.75                 |
|               | <b>Break</b>                           |                      |
| Lesson 7      | Pumps and Motors Math                  | 1.25                 |
| Lesson 8      | Test                                   | 0.5                  |
|               |  |                      |
|               |  |                      |
|               | <b>Total Instruction/Contact Time:</b> | <b>7.0</b>           |

**CEU: 0.7**

# Math for the Collection System Operator

**October 10-11, 2023 (1:00-5:00 AST)**

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:  $\$355.00 + \$53.25 \text{ HST (15\%)} = \$408.25$

## **Fee for Non – Members**

Course:  $\$380.00 + \$57.00 \text{ HST (15\%)} = \$437.00$

**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