



**Developer and Owner – WWOTC**

**Online Course – Instructor Led**

## **Membrane Bioreactors in Wastewater Treatment**

**May 7-8, 2024 (1:00-5:00 AST)**

### **Course Objective / Description**

This one-day course will cover the operation and control of membrane bioreactor systems (MBRs). The course will cover designs and design parameters, expected performance removals, sample calculations, system operation, maintenance, and troubleshooting the process.

What will be covered:

- Municipal wastewater treatment using MBRs
- Membrane technology configurations
- Membrane operation and maintenance
- Process troubleshooting

<b>Lesson</b>	<b>Description</b>	<b>Contact Hours</b>
Lesson 1	Introduction and Overview	0.5
Lesson 2	Membrane Filtration	1.5
Break		
Lesson 3	Types of Membrane Processes	0.75
Lesson 4	Membrane Materials	1.0
Lunch		
Lesson 5	Design and Operation	1.0
Lesson 6	Hydraulic Configurations	1.0
Break		
Lesson 7	Hydraulic Configuration and Troubleshooting	0.75
Exam	0.5	
<b>Total Instruction/Contact Time:</b>	<b>7.0</b>	

**CEU: 0.7**

# Membrane Bioreactors in Wastewater Treatment

**May 7-8, 2024 (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