



Developer and Owner – WWOTC

Online Course – Instructor Led

Membrane Bioreactors in Wastewater Treatment

May 29-30, 2023 (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

| Lesson | Description | Contact Hours |
|--|---|----------------------|
| 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 | |
| Total Instruction/Contact Time: | 7.0 | |

CEU: 0.7

Membrane Bioreactors in Wastewater Treatment

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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 \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