

Developer and Owner – WWOTC

Online Course – Instructor Led

Wastewater Microbiology

November 21-22, 2023 (8:30-12:30 AST)

Course Objective / Description

In order to achieve the objectives of wastewater treatment, it is essential for plant operators to understand the biological processes and organisms involved in wastewater treatment to ensure that the presence of an adequate, active, and appropriate population of bacteria is present in each process. This course will provide operators with an understanding of the significant bacterial groups and the roles they perform in wastewater treatment, the operational conditions that affect bacterial activity.

What will be covered:

- Denitrifying bacteria
- Fermentative (acetate-forming and acid-forming) bacteria
- Filamentous bacteria & floc-forming bacteria
- Hydrolytic bacteria & methane-forming bacteria
- Nitrifying bacteria & poly-p bacteria
- Sulphur-oxidizing bacteria & sulphur reducing bacteria

Lesson	Description	Contact Hours
Day 1		
Lesson 1	Introduction and Overview	0.5
Lesson 2	Nitrifying Bacteria	1.5
	Break	0.25
Lesson 3	Denitrifying Bacteria	1.0
Lesson 4	Phosphorous Bacteria	0.75
Day 2		
Lesson 5	Sulfur Oxidizing and Reducing Bacteria	1.0
Lesson 6	Floc-forming Bacteria	1.0
	Break	0.25



ATLANTIC CANADA
WATER & WASTEWATER ASSOCIATION
American Water Works Association
Atlantic Canada Section



Lesson 7	Filamentous Bacteria	1.25
	Exam	0.5
	Total Instruction/Contact Time:	7.0

CEU: 0.7

Wastewater Bacteria

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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