



**Developer and Owner – WWOTC
Online Course – Instructor Led**

Iron and Manganese Removal

March 14-15, 2022 (8:30 – 12:30 AST)

Course Objective / Description

This one-day course provides an introduction to the methods of identifying and controlling iron and manganese problems in drinking water.

What will be covered:

- Effects of iron and manganese in potable water systems
- Chemistry of iron and manganese removal
- Microbiology of iron and manganese removal
- Common pre-treatment methods
- Filtration
- Alternate technologies
- Distribution system and safety issues

Lesson	Description	Contact Hours
Lesson 1	Introduction and Overview	1.0
Lesson 2	Chemistry of Iron and Manganese Removal	1.0
	Break	
Lesson 3	Microbiology of Iron and Manganese Removal	1.75
	Lunch	
Lesson 4	Pre-treatment	0.75
Lesson 5	Filtration	0.75
	Break	
Lesson 6	Alternate Technologies	0.75
	Review and Exam	1.0
	Total Instruction/Contact Time:	7.0

CEU: 0.7

Iron and Manganese Removal

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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