

Developer and Owner - BC Water and Waste Association (BCWWA)

This course updates operators on the current processes for the safe handling of chlorine gas. You should take this course if you are maintaining a facility that uses chlorine gas or hypochlorite solutions for disinfection purposes, and have previously completed chlorine handling training. After completing this course, you will be able to: Understand the physical and chemical properties of chlorine and how chlorine works as a disinfectant; Understand how to safely handle chlorine and hypochlorite products and maintain chlorine equipment; Understand and apply chlorine safety practices, and prepare for emergency response.

Topic	Objectives
Introduction	<ul style="list-style-type: none"> describe chlorine use and history
Chlorination and Hypochlorination	<ul style="list-style-type: none"> describe chlorination process describe physical and chemical properties of chlorine describe chlorine measuring technology
Math	<ul style="list-style-type: none"> learning to find the applicable formulas breaking formulas into segments converting all units to answer units
Hypochlorite Equipment	<ul style="list-style-type: none"> Describe hypochlorite equipment explain the function of various metering pumps describe on site hypochlorite generation list steps in hypochlorinator repair and maintenance describe the steps in metering pump maintenance
Chlorine Gas Equipment and Maintenance	<ul style="list-style-type: none"> Identify types of equipment and accessories describe chlorine gas withdrawal rates describe various chlorinators pipng systems and pressure manifolds describe chlorine evaporators
Process Controls	<ul style="list-style-type: none"> define metering and control describe the advantages of automatic control describe the function of a valve control describe various adjustments and control options

Topic**Objectives**

	<ul style="list-style-type: none">• describe safe handling procedures for sodium hypochlorite• describe safe handling procedures for calcium hypochlorite
Safe Handling Practices for Chlorine Gas	<ul style="list-style-type: none">• understand toxic effect of chlorine• describe PPE for specific situations• describe first aid practices for chlorine exposure
Emergency Response Planning	<ul style="list-style-type: none">• develop an Emergency Response Plan• identifying stakeholders• participate in audits• identify training requirements.

ONLINE COURSE 2 DAYS CHLORINE HANDLING REFRESHER

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: $\$350.00 + \$49.00 \text{ HST (14\%)} = \399.00

Fee for Non – Members

Course: $\$395.00 + \$55.30 \text{ HST (14\%)} = \450.30

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