

ONLINE COURSE 2 DAYS CHLORINE HANDLING REFRESHER

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.

Торіс	Objectives
Introduction	• describe chlorine use and history
Chlorination and Hypochlorination	 describe chlorination process describe physical and chemical properties of chlorine describe chlorine measuring technology
Math	 learning to find the applicable formulas breaking formulas into segments converting all units to answer units
Hypochlorite Equipment	 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	 Identify types of equipment and accessories describe chlorine gas withdrawal rates describe various chlorinators piping systems and pressure manifolds describe chlorine evaporators
Process Controls	 define metering and control describe the advantages of automatic control describe the function of a valve control describe various adjustments and control options

Торіс	Objectives
Safe Handling Practices for Hypochlorites	 describe safe handling procedures for sodium hypochlorite describe safe handling procedures for calcium hypochlorite
Safe Handling Practices for Chlorine Gas	 understand toxic effect of chlorine describe PPE for specific situations describe first aid practices for chlorine exposure
Emergency Response Planning	 develop an Emergency Response Plan identifying stakeholders participate in audits identify training requirements.
	ONLINE COURSE 2 DAYS

Name:	
Company:	
Company Mailing Address	
City, Province:	Postal Code:
Phone:	Email:
ACWWA Membership #: If no membership number i	WEF Membership #:s listed, you will be invoiced as a non-member. See pricing below.
Fee fo	or ACWWA or WEF Members & Employees of UTILITY Members Course: <u>\$350.00 + \$52.50 HST (15%) = \$402.50</u>
	Fee for Non – Members Course: <u>\$395.00 + \$59.25 HST (15%) = \$454.25</u>
Invoices will be sent to the	e address listed above.
PO number to be included	d 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 car	rd receipt
	Cheques should be made payable to: ACWWA PO Box 28141 · Dartmouth, NS · B2W 6E2
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