



Chlorine Disinfection

November 15-16, 2023

New Glasgow, NS

COURSE OBJECTIVES:

This two-day workshop is a condensed form of the traditional four-day course. It provides coverage of all fundamental subjects relating to the transportation, safe handling, storage and metering of chlorine gas. Disinfection strategies are reviewed including presentations, group discussions and demonstrations where applicable.

WHO SHOULD ATTEND:

Designed for operators of water and wastewater treatment facilities, this workshop is also recommended for all those working in or providing design and/or support for industries using chlorine and related disinfection agents. Operators must also obtain on site, site-specific training as per WCB regulations.

OUTLINE:

TIME	DAY 1	DAY 2
08:30 - 10:00	<ul style="list-style-type: none">➤ Registration & Introductions➤ Water Quality➤ Multi-Barrier Approach➤ Disinfection Principles	<ul style="list-style-type: none">➤ Math➤ Dosage Calculations➤ Equipment Overview
10:00 - 10:15	Coffee Break	Coffee Break
10:15 - 11:30	<ul style="list-style-type: none">➤ Alternate Methods of Disinfection<ul style="list-style-type: none">➤ Why Chlorination➤ Chemical/Physical Properties of Chlorine	<ul style="list-style-type: none">➤ Changing Chlorine Cylinders➤ Automatic Changeover➤ Personal Protective Equipment
11:30 - 12:30	Lunch Break	Lunch Break
12:30 - 2:00	<ul style="list-style-type: none">➤ Chlorination Overview➤ Gas Chlorinators➤ Hypochlorination	<ul style="list-style-type: none">➤ Equipment safety materials of const.➤ Emergency Response to Chlorine Incidents
2:00 - 2:15	Coffee Break	Coffee Break
2:15 - 4:00	<ul style="list-style-type: none">➤ Chlorination Chemistry➤ Dosage/ Demand/Residual➤ Definitions/Terminology	<ul style="list-style-type: none">➤ Preventative Maintenance➤ Withdrawal Rates➤ Metering & Control Systems

Provided: Workbook and all reference materials.

Please Bring: A good calculator, writing instrument of choice

REGISTRATION INFORMATION:

Registration can be made by faxing or mailing the registration form on the reverse of this page, or on-line at www.acwwa.ca. For further information, please contact ACWWA Section office at 902-434-6002.

COURSE FORMAT:

Every attempt is made to keep the course informal and an enjoyable day-long training experience. Registration starts at 8:00 am, and the instructor will start shortly after 8:30. Wrap-up time is usually around 3:30-4:00pm. Though all workshops are non-smoking, ample breaks are provided for coffee and discussion. Lunch is included.

COURSE LOCATION:

Forbes Lake Water treatment Plant
3720 East River East Side Rd.
Churchville, NS

Please print clearly and fax or mail to the address listed on the bottom of this form.

Chlorine Disinfection**November 15-16, 2023****New Glasgow, NS**

Name: _____

Organization: _____

Mailing Address: _____

City, Province: _____ Postal Code: _____

Phone: _____ Email: _____

ACWWA Membership No: _____ WEF Membership No: _____

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 MembersCourse: $\$750.00 + \$112.50 \text{ HST (15\%)} = \862.50 **Fee for Non – Members**Course: $\$850.00 + \$127.50 \text{ HST (15\%)} = \977.50 **Please see final Page for Additional Study Material**

Fees include coffee breaks.

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 _____

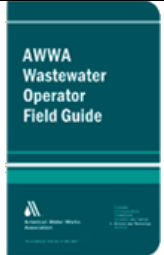
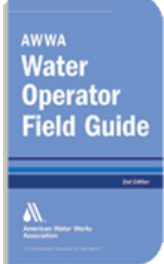
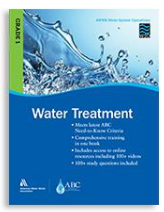
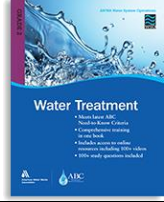
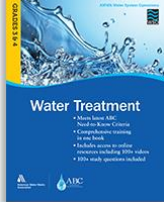
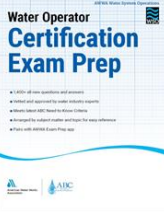
Email address for credit card receipt _____

Cheques should be made payable to:

ACWWA

PO Box 28141 · Dartmouth, NS · B2W 6E2

Phone 902-434-6002 Fax 902-435-7796

Price			
<input type="checkbox"/>	\$70	AWWA Wastewater Field Guide This guide is a compilation of information, charts, graphs, formulas, and definitions that are used by wastewater system operators in performing their daily duties.	
<input type="checkbox"/>	\$70	AWWA Water Operator Guide Handy information resource for water treatment plant operators and water distribution operators. This ready-to-use guide is packed with all the day-to-day information you need in a flash, in a compact (4 1/4" x 7 1/4") booklet.	
<input type="checkbox"/>	\$175	Water Supply Operations (WSO) Water Treatment, Grade I <i>Water Treatment, Grade I</i> , is organized into 21 chapters addressing core test content on certification exams. Chapters discuss regulations, operator math and chemistry, and specific treatment processes in detail. Other chapters cover water quality testing, electrical and monitoring systems, treatment plant safety, and monitoring and recording requirements.	
<input type="checkbox"/>	\$175	Water Supply Operations (WSO) Water Treatment, Grade II <i>Water Treatment, Grade II</i> , is organized into 22 chapters addressing core test content on certification exams. Chapters discuss regulations, operator math and chemistry, and specific treatment processes in detail. Other chapters cover water quality testing, electrical and monitoring systems, treatment plant safety, and monitoring and recording requirements.	
<input type="checkbox"/>	\$175	Water Supply Operations (WSO) Water Treatment, Grades III & IV <i>Water Treatment, Grades III and IV</i> , is organized into 15 chapters addressing core test content on certification exams. Chapters discuss regulations, operator math and chemistry, and specific treatment processes in detail. Other chapters cover water quality testing, electrical and monitoring systems, treatment plant safety, and monitoring and recording requirements.	
<input type="checkbox"/>	\$175	Water Supply Operations (WSO) Water Distribution, Grades I & II <i>WSO Water Distribution, Grades I and II</i> , is organized into 22 chapters addressing core test content on certification exams. Chapters discuss regulations, operator math and chemistry, and specific distribution processes in detail. Other chapters cover water use and system design, water mains, hydrants and valves, water system supply security and public relations.	
<input type="checkbox"/>	\$90	Water Operator Certification Exam Prep This book offers 1,400-plus practice questions and answers so you can take your water operator certification exam with confidence.	
<input type="checkbox"/>	\$90	Wastewater Operator Certification Exam Prep This book offers 500-plus practice questions and answers so you can take your wastewater operator certification exam with confidence.	