

**Nova Scotia Environment  
Pre-Approved Courses for Certification Renewal - Continuing Education Units (CEUs)**

*\*The review and approval of courses is ongoing therefore, the following list may not be inclusive and is subject to change.*

	Training Provider	Course Number	ID	Course Name	Approved CEUs	Applicable to:			
						Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Correspondence	California State University, Sacramento - Office of Water Programs <a href="http://www.cce.csus.edu/programs/waterprograms.htm">www.cce.csus.edu/programs/waterprograms.htm</a>	003001		Water Treatment Plant Operation - Volume I	9.0	✓			
		003002		Water Treatment Plant Operation - Volume II	9.0	✓			
		003003		Small Water System Operation and Maintenance	9.0	✓	✓		
		003004		Water Distribution System Operation and Maintenance	9.0		✓		
		003005		Operation of Wastewater Treatment Plants - Volume I	9.0			✓	
		003006		Operation of Wastewater Treatment Plants - Volume II	9.0			✓	
		003007		Advanced Waste Treatment	9.0			✓	
		003008		Industrial Waste Treatment - Volume I	9.0			✓	
		003009		Industrial Waste Treatment - Volume I	9.0			✓	
		003010		Small Wastewater System Operation and Maintenance - Volume I	9.0			✓	
		003011		Small Wastewater System Operation and Maintenance - Volume II	9.0			✓	
		003012		Operation and Maintenance of Wastewater Collection Systems - Volume I	9.0				✓
		003013		Operation and Maintenance of Wastewater Collection Systems - Volume II	9.0				✓
		003014		Utility Management	2.0	✓	✓	✓	✓
		003015		Manage for Success - Effective Utility Leadership Practices	4.5	✓	✓	✓	✓
		003016		Collection System Operation & Maintenance Videos	0.6				✓
	Thomson Rivers University <a href="http://my2.bcou.ca/register/zwskfctis_p_getcrse">my2.bcou.ca/register/zwskfctis_p_getcrse</a>	004001		WTTP 010 Basic Hydraulics	3.0	✓	✓	✓	✓
		004002		WTTP 011 Basic Water Chemistry	3.0			✓	✓
		004003		WTTP 013 Pipes, Valves and Fittings	3.0	✓	✓	✓	✓
		004004		WTTP 014 Basic Principles of Pumps	3.0	✓	✓	✓	✓
		004005		WTTP 015 Cross Connection Control	3.0	✓	✓	✓	✓
		004006		WTTP 017 Environmental Legislation	3.0	✓	✓	✓	✓
		004007		WTTP 020 Water Safe Certification	0.6			✓	✓
		004008		WTTP 021 Electrical Principles	3.0	✓	✓	✓	✓
		004009		WTTP 022 Test Elect Circuits & Safe Work Practices	3.0	✓	✓	✓	✓
		004010		WTTP 023 Basics of Elect Motors & Motor Control	3.0	✓	✓	✓	✓
		004011		WTTP 025 Instrumentation Principles	3.0	✓	✓	✓	✓
		004012		WTTP 026 Process Measurement	3.0	✓	✓	✓	✓
		004013		WTTP 027 Final Control Elements	3.0	✓	✓	✓	✓
		004014		WTTP 029 Primary Process Water Equipment	3.0			✓	✓
		004015		WTTP 030 Secondary Process Equipment	3.0			✓	✓
		004016		WTTP 031 Building Mechanical Systems	3.0	✓	✓	✓	✓
		004017		WTTP 033 Coagulation	3.0	✓		✓	✓
004018		WTTP 034 pH Control and Water Softening	3.0	✓	✓	✓	✓		
004019		WTTP 035 Oxidation Reactions	3.0	✓	✓	✓	✓		
004020		WTTP 045 Advanced Motor Control	3.0	✓	✓	✓	✓		
004021		WTTP 046 Basic Electric Devices and Speed Drives	3.0	✓	✓	✓	✓		
004022		WTTP 047 Basic Programmable Logic Controllers	3.0	✓	✓	✓	✓		
004023		WTTP 053 Advanced Coagulation & Emergency Technology	3.0			✓	✓		
004024		WTTP 054 Dissolved Air Flootation and Jar Testing	3.0	✓		✓	✓		
004025		WTTP 055 Clarifiers	3.0	✓		✓	✓		
004026		WTTP 069 Introduction to Microbiology and Toxicology	3.0	✓	✓	✓	✓		
004027		WTTP 070 Microbiology	3.0	✓	✓	✓	✓		
004028		WTTP 071 Toxicology	3.0	✓	✓	✓	✓		
Michigan State University <a href="http://www.bus.msu.edu/exceed">www.bus.msu.edu/exceed</a>	030001		Supervisory Management in the Water/Wastewater Field	6.0	✓	✓	✓	✓	

Training Provider	Course Number	ID	Course Name	Approved CEUs	Applicable to:				
					Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection	
<b>WITTI</b> Distance Learning Solutions <a href="http://www.witticorp.com/wttitots">www.witticorp.com/wttitots</a>	009001	EX-WD1&2-701	Ex-Water Distribution Level 1&2	2.8		✓			
	009002	EX-WD3&4-702	Ex-Water Distribution Level 3&4	2.8		✓			
	009003	EX-WT1&2-703	Ex-Water Treatment Level 1&2	2.6	✓				
	009004	EX-WT3&4-704	Ex-Water Treatment Level 3&4	2.8	✓				
	009005	EX-WWC1&2-705	Ex-Wastewater Collection Level 1&2	3.0				✓	
	009006	EX-WWC3&4-706	Ex-Wastewater Collection Level 3&4	3.0				✓	
	009007	EX-WWT1&2-708	Ex-Wastewater Treatment Level 1&2	3.0			✓		
	009008	EX-WWT3&4-709	Ex-Wastewater Treatment Level 3&4	3.0			✓		
	009009	IA-CS-601	Customer Service	0.7	✓	✓	✓	✓	
	009010	IA-RK-601	Record Keeping	1.0	✓	✓	✓	✓	
	009011	all	Hydraulics and Pumps	0.7	✓	✓	✓	✓	
	009012	WWC, WWT, WT	Pump Operations	2.1				✓	
	009013	WWC-UR-407	Underground Repair	0.7		✓		✓	
	009014	WWT-Bacti C-102	Bacteriology Concepts	0.7	✓		✓		
	009015	WT, WWT	Coagulation and Flocculation	0.7	✓		✓		
	009016	WWT, WT	Critical Pump Maintenance	0.7	✓	✓	✓	✓	
	009017	WWT-119	Dechlorination	1.0	✓	✓	✓		
	009018	WT, WWT	Filtration Systems	0.7	✓		✓		
	009019	WT-WS&C-217	Water Sources and Characteristics	0.7	✓		✓		
	009020	WDS-BH & C-301	Backflow Prevention and Cross Connection Control	0.7		✓			
	009021	WDS-BAR-317	Distribution System Breaks and Repair	0.7		✓			
	009022	WDS-CCD-WM-302	CCD of Water Mains	0.7		✓			
	009023	WDS-CNWM-303	Commissioning New Water Mains	0.7		✓			
	009024	WDS-CorC-304	Corrosion Control for - PVC/HDP/Ductile Iron/Concrete Pressure Pipe	0.7		✓			
	009025	WDS-Flush-307	Flushing Techniques	0.7		✓			
	009026	WDS-I&M_FH-309	Installation, Inspection & Maintenance of Fire Hydrants	0.7		✓			
	009027	WDS-LD-310	Leak Detection	0.7		✓			
	009028	WDS-MSSM-312	Meter Sizing, Selection and Preventive Maintenance	0.7		✓			
	009029	WDS-TWM-314	Tapping Water Mains	0.7		✓			
	009030	WDS-WMR-316	Water Main Rehabilitation	1.0		✓			
	009031	WWC-UR-407	Underground Repair	0.8				✓	
	009032	WWT-NRS-112	Nitrogen Removal Systems	0.8			✓		
	009033	WWT-ASS-101	Activated Sludge	0.7			✓		
	009035	WT-PWS&A-212	Water Sampling and Analysis	0.7	✓	✓			
	009037	WWC-I&T-402	Inspection & Testing of the Collection System	0.7				✓	
	009038	WWC-PCM-403	Pipeline Cleaning & Maintenance Methods	1.0				✓	
	009039	WWC-PCD-404	Purpose, Components & Design	1.0				✓	
	009040	WWC-SP-408	Safe Procedures in the Collection System	0.7				✓	
	009041	WWT101-120	Wastewater Treatment 101	1.0			✓		
	009042	WWT, WT	Chlorination and Disinfection	0.7			✓		
	009043	WWT-Digest-110	Digesters	0.5			✓		
	009044	WWT-PRS-113	Phosphorous Removal Systems	0.7			✓		
	009045	WWT-PTS-115	Primary Treatment Systems	0.7			✓		
	009046	WWT-STS-116	Secondary Treatment Systems	0.7			✓		
	009047	WDS-WQS-315	Water Quality Sampling	0.7		✓			
	009048	WDS-PWSA-313	Water Sampling Analysis	0.7		✓			
	<b>Target Safety</b> <a href="http://www.targetsafety.com">www.targetsafety.com</a>	028001	2322	Water Industry Asbestos Awareness	0.1		✓		✓
		028002	2323	Water Industry Coagulation, Flocculation, & Sedimentation	0.1	✓			
028003		2324	Water Industry Disinfection Basics	0.1	✓		✓		
028004		2325	Water Industry Distribution Service to Customers	0.1		✓			
028005		2326	Water Industry Effective Meter Reading	0.1		✓			
028006		2327	Water Industry Filtration Basics	0.1	✓		✓		
028007		2328	Water Industry Hazard Communication(s)	0.1	✓	✓	✓	✓	
028008		2329	Water Industry HAZMAT Spill Prevention & Control	0.1	✓	✓	✓	✓	
028009		2444	Water Industry Hearing Conservation	0.1	✓	✓	✓	✓	
028010		2331	Water Industry Hydraulics	0.1	✓	✓	✓	✓	
028011		2445	Water Industry Incident Investigation	0.1	✓	✓	✓	✓	
028012		2446	Water Industry Infectious Disease Control	0.1	✓	✓	✓		
028013		2447	Water Industry Laboratory Safety	0.1	✓	✓	✓		
028014		2669	Water Industry Maintenance on Pumps, Motors & Circuits	0.1	✓	✓	✓	✓	
028015		2671	Water Industry Mathematics Applied	0.1	✓	✓	✓	✓	
028016		2672	Water Industry Mathematics Basics	0.1	✓	✓	✓	✓	
028017		2673	Water Industry Risk Assessment	0.1	✓	✓	✓	✓	

Correspondence

Training Provider	Course Number	ID	Course Name	Approved CEUs	Applicable to:			
					Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
<b>Atlantic Canada Water and Wastewater Association (ACWWA) www.acwwa.ca</b>	001001		ACWWA Annual Conference 2007	0.9	✓	✓	✓	✓
	001002		ACWWA Annual Conference 2008	1.5	✓	✓	✓	✓
	001003		Water Treatment Course	2.8	✓			
	001004		Water Distribution Course	2.8		✓		
	001005		Wastewater Treatment Course	2.8			✓	
	001006		Wastewater Collection Course	2.8				✓
	001007		UV Disinfection	0.4	✓	✓	✓	
	001008		Chlorine Handling and Disinfection	2.2	✓	✓	✓	✓
	001009		Membrane Water Treatment Plant Operations	0.6	✓			
	001010		Distribution System Corrosion and Control	1.2	✓	✓		
	001011		Basic Math Workshop	0.6	✓		✓	✓
	001012		Fire Hydrant Maintenance and Repair	0.5		✓		
	001013		Pipeline Assessment	1.1		✓		✓
	001014		Risk Assessment	0.6	✓	✓		
	001015		Drinking Water Legal Framework	0.5	✓	✓		
	001016		Introduction to Ponds and Lagoons	0.7			✓	
	001017		Basic Microbiology for Water & Wastewater Operators	0.7	✓	✓	✓	
	001018		Water Efficiency and More - Methods, Results and Tips	0.6	✓	✓		
	001019		Optimizing Disinfection	1.2	✓	✓		
	001020		Advances in Water Distribution Modelling	0.6		✓		
	001021		Watermain Rehabilitation Technologies	0.6		✓		
	001022		Hydrant & Valve Maintenance	0.6		✓		
	001023		Watermain Disinfection	0.5		✓		
	001024		Water Quality Sampling & Monitoring	0.7	✓	✓	✓	
	001025		Continuous Water Quality Monitoring	0.6	✓	✓	✓	
	001026		Basics of Pipe Tapping (2007)	0.6		✓		
	001027		Electrical Safety Awareness	0.5	✓	✓	✓	✓
	001028		Chemical Feed Systems Seminar	0.5	✓	✓	✓	
<b>Maritime Provinces Water and Wastewater Association (MPWWA) www.mpwwa.ca</b>	002001		MPWWA Annual Conference	1.5	✓	✓	✓	✓
	002002		Operational Best Practices (SOPs)	0.5	✓	✓	✓	✓
	002003		Basic Math Course	0.6	✓	✓	✓	✓
	002004		Basic Computer Course	0.6	✓	✓	✓	✓
	002005		Basic Electricity for Water and Wastewater Operators (2006)	0.6	✓	✓	✓	✓
	002006		Water Meter Workshop (2008)	0.6		✓		
	002007		Control Valves	0.6	✓	✓	✓	✓
	002008		Pumps Operating & Maintaining	0.6	✓	✓	✓	✓
	002009		SCADA	0.6	✓	✓	✓	✓
	002010		Introduction to Process Control	0.6	✓	✓	✓	✓
	002011		Pressure Reducing Valves	0.6	✓	✓	✓	✓
<b>American Water Works Association (AWWA) www.awwa.org</b>	024001		2007 Annual Conference & Exposition	2.1	✓	✓		
	024002		2006 Water Security Congress	2.1	✓	✓		
	024003		2008 Water Security Congress	2.1	✓	✓		
	024004		2006 Distribution Systems Symposium & Exposition	2.1	✓	✓		
	024005		2008 Distribution Systems Symposium & Exposition	2.1	✓	✓		
	024006		2009 Water Security Congress	2.4	✓	✓	✓	✓
<b>International Water Association (IWA)</b>	025001		2009 IWA Leakage Conference	2.1		✓		
<b>Canadian Water and Wastewater Association (CWAA)</b>	026001		2006 Drinking Water Conference	2.1	✓	✓		
	026002		2008 Drinking Water Conference	1.4	✓	✓		

Technical Associations

	Training Provider	Course Number	ID	Course Name	Approved CEUs	Applicable to:			
						Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Other	American Trainco	005001		PLC for Non-Programers	1.5	✓	✓	✓	✓
		005002		Pumps and Pump Systems	1.4	✓	✓	✓	✓
		005003		Basic Electricity for the Non-Electrician (2008)	1.6	✓	✓	✓	✓
	Trihedral Engineering Ltd	006001		SCADA Software Operation & Configuration	2.9	✓	✓	✓	✓
	Accessible Water & Wastewater Solutions	007001		Pump Operations and Maintenance	0.6	✓	✓	✓	✓
	Nova Scotia Community College (NSCC)	008001		Cross Connection Seminar	0.6		✓		
		008002		Trenching Hazard Awareness	0.3		✓		✓
		008003		Oxy-Acetylene Cutting	0.7	✓	✓	✓	✓
		008004		Cross Connection Awareness (Eugene Pothier)	0.6		✓		
	Halifax Water	010001		Coagulation, Filtration and Jar Testing	0.4	✓			
		010002		Occupational Health & Safety Act	0.6	✓	✓	✓	✓
	WaterTrax	011001		WaterTrax Workshop	0.4	✓	✓	✓	✓
	Del Getson and Associates Inc.	012001		First Critical Minutes	0.4	✓	✓	✓	✓
	GE Water & Process Technology	013001		GE-Zenon ZW1000 UF Membrane	2.4	✓			
	Fairmont Engineering	014001		Mathematics for Water Operators	0.6	✓	✓	✓	✓
	Flow-water Products Ltd.	015001		Pressure Regulating Valves	0.6	✓	✓	✓	✓
	Clow Canada	016001		Fire Hydrant Maintenance & Assembly (200-)	0.3		✓		
	Hiltz & Seamone	018001		Water Treatment Equipment Operation Workshop	0.6	✓			
	Occupational Health & Educational Services	019001		Excavation & Trenching	0.6		✓		✓
		019002		Forklift Training	0.6	✓	✓	✓	✓
	ISES Inc.	020001		Defensive Driving Course	0.5		✓		✓
	Audrey Buchanan	021001		Unidirectional Hydrant Flushing	0.6		✓		
	Aquacenna Services	022001		Water Distribution Operation and Maintenance	0.7		✓		
		022002		Wastewater Collection Operation and Maintenance	0.7				✓
	Robert White	023001		Operation and Maintenance of the Distribution System	2.4		✓		
	World Water & Wastewater Solutions (WWWS)	027001		Trenching & Excavating	0.4		✓		✓
		027002		Chlorine Emergency Repair Kit	0.3	✓		✓	
		027003		Chlorine Residual Testing	0.3	✓	✓	✓	
		027004		Record Keeping	0.3	✓		✓	✓
		027005		Commissioning New Watermain Systems	0.7		✓		
		027006		Maintaining Chlorine Residuals & Proper Sampling	0.6	✓	✓		
		027007		Watermain Disinfection	0.7		✓		
		027008		Watermain Breaks & Repairs	1.4		✓		
		027009		Water Quality for Distribution Systems	0.6	✓	✓		
		027010		Pumps & Pumping Hydraulics	0.7	✓	✓	✓	✓
		027011		Lift Station Operation & Maintenance	0.6				✓
		027012		Controlling Wastewater Collection Inflow & Infiltration	0.7				✓
027013			Ponds & Lagoons	0.7			✓		
PBBA Atlantic Inc. www.pbbaatlantic.com	029001		Supervisory Development - The Professional Supervisor	2.3	✓	✓	✓	✓	
	029002		Supervisory Development - Managing Employee Performance	2.3	✓	✓	✓	✓	
	029003		Supervisory Development - Understanding Projects	2.3	✓	✓	✓	✓	
Walkerton Clean Water Centre www.wcwc.ca	031001		Water Valve Operation & Maintenance	0.7	✓	✓			
	031002		Disinfection of Watermains	0.7	✓	✓			
	031003		Watermain Breaks & Repairs	0.7	✓				
	031004		Watermain Flushing & swabbing	0.7	✓				
	031005		Basic Chlorination & Disinfection	0.7	✓	✓	✓		