

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 Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Correspondence	California State University, Sacramento - Office of Water Programs www.owp.csus.edu	Water Treatment Plant Operation - Volume I	9.0	✓			
		Water Treatment Plant Operation - Volume II	9.0	✓			
		Small Water System Operation and Maintenance	9.0	✓	✓		
		Water Distribution System Operation and Maintenance	9.0		✓		
		Operation of Wastewater Treatment Plants - Volume I	9.0			✓	
		Operation of Wastewater Treatment Plants - Volume II	9.0			✓	
		Advanced Waste Treatment	9.0			✓	
		Industrial Waste Treatment - Volume I	9.0			✓	
		Industrial Waste Treatment - Volume I	9.0			✓	
		Small Wastewater System Operation and Maintenance - Volume I	9.0			✓	
		Small Wastewater System Operation and Maintenance - Volume II	9.0			✓	
		Operation & Maintenance of Wastewater Collection Systems - Vol I	9.0				✓
		Operation & Maintenance of Wastewater Collection Systems - Vol II	9.0				✓
		Utility Management	2.0	✓	✓	✓	✓
		Manage for Success - Effective Utility Leadership Practices	4.5	✓	✓	✓	✓
		Collection System Operation & Maintenance Videos	0.6				✓
	Thomson Rivers University www.tru.ca/distance	WTTP 010 Basic Hydraulics	3.0	✓	✓	✓	✓
		WTTP 011 Basic Water Chemistry	3.0			✓	✓
		WTTP 013 Pipes, Valves and Fittings	3.0	✓	✓	✓	✓
		WTTP 014 Basic Principles of Pumps	3.0	✓	✓	✓	✓
		WTTP 015 Cross Connection Control	3.0	✓	✓	✓	✓
		WTTP 017 Environmental Legislation	3.0	✓	✓	✓	✓
		WTTP 020 Water Safe Certification	0.6			✓	✓
		WTTP 021 Electrical Principles	3.0	✓	✓	✓	✓
		WTTP 022 Test Elect Circuits & Safe Work Practices	3.0	✓	✓	✓	✓
		WTTP 023 Basics of Elect Motors & Motor Control	3.0	✓	✓	✓	✓
		WTTP 025 Instrumentation Principles	3.0	✓	✓	✓	✓
		WTTP 026 Process Measurement	3.0	✓	✓	✓	✓
		WTTP 027 Final Control Elements	3.0	✓	✓	✓	✓
		WTTP 029 Primary Process Water Equipment	3.0			✓	✓
		WTTP 030 Secondary Process Equipment	3.0			✓	
		WTTP 031 Building Mechanical Systems	3.0	✓	✓	✓	✓
		WTTP 033 Coagulation	3.0	✓		✓	
		WTTP 034 pH Control and Water Softening	3.0	✓	✓	✓	✓
		WTTP 035 Oxidation Reactions	3.0	✓	✓	✓	✓
		WTTP 045 Advanced Motor Control	3.0	✓	✓	✓	✓
		WTTP 046 Basic Electric Devices and Speed Drives	3.0	✓	✓	✓	✓
		WTTP 047 Basic Programmable Logic Controllers	3.0	✓	✓	✓	✓
		WTTP 053 Advanced Coagulation & Emergency Technology	3.0			✓	
		WTTP 054 Dissolved Air Flootation and Jar Testing	3.0	✓		✓	
		WTTP 055 Clarifiers	3.0	✓		✓	
		WTTP 069 Introduction to Microbiology and Toxicology	3.0	✓	✓	✓	✓
WTTP 070 Microbiology	3.0	✓	✓	✓	✓		
WTTP 071 Toxicology	3.0	✓	✓	✓	✓		

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
		Ex-Water Distribution Level 1&2	2.8		✓		
		Ex-Water Distribution Level 3&4	2.8		✓		
		Ex-Water Treatment Level 1&2	2.6	✓			
		Ex-Water Treatment Level 3&4	2.8	✓			
		Ex-Wastewater Collection Level 1&2	3.0				✓
		Ex-Wastewater Collection Level 3&4	3.0				✓
		Ex-Wastewater Treatment Level 1&2	3.0			✓	
		Ex-Wastewater Treatment Level 3&4	3.0			✓	
		Customer Service	0.7	✓	✓	✓	✓
		Record Keeping	1.0	✓	✓	✓	✓
		Hydraulics and Pumps	0.7	✓	✓	✓	✓
		Pump Operations	2.1				✓
		Underground Repair	0.7		✓		✓
		Bacteriology Concepts	0.7	✓		✓	
		Coagulation and Flocculation	0.7	✓		✓	
		Critical Pump Maintenance	0.7	✓	✓	✓	✓
		Dechlorination	1.0	✓	✓	✓	
		Filtration Systems	0.7	✓		✓	
		Water Sources and Characteristics	0.7	✓		✓	
		Backflow Prevention and Cross Connection Control	0.7		✓		
		Distribution System Breaks and Repair	0.7		✓		
		CCD of Water Mains	0.7		✓		
		Commissioning New Water Mains	0.7		✓		
		Corrosion Control for PVC/HDP/Ductile Iron/Concrete Pressure Pipe	0.7		✓		
		Flushing Techniques	0.7		✓		
		Installation, Inspection & Maintenance of Fire Hydrants	0.7		✓		
		Leak Detection	0.7		✓		
		Meter Sizing, Selection and Preventive Maintenance	0.7		✓		
		Tapping Water Mains	0.7		✓		
		Water Main Rehabilitation	1.0		✓		
		Nitrogen Removal Systems	0.8			✓	
		Activated Sludge	0.7			✓	
		Water Sampling and Analysis	0.7	✓	✓		
		Inspection & Testing of the Collection System	0.7				✓
		Pipeline Cleaning & Maintenance Methods	1.0				✓
		Purpose, Components & Design	1.0				✓
		Safe Procedures in the Collection System	0.7				✓
		Wastewater Treatment 101	1.0			✓	
		Chlorination and Disinfection	0.7	✓		✓	
		Digesters	0.5			✓	
		Phosphorous Removal Systems	0.7			✓	
		Primary Treatment Systems	0.7			✓	
		Secondary Treatment Systems	0.7			✓	
		Water Quality Sampling	0.7		✓		
		Water Sampling Analysis	0.7		✓		

Correspondence

WITTI
Distance Learning Solutions
www.witticorp.com/witti/dls

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Correspondence	Target Safety www.targetsafety.com	Water Industry Asbestos Awareness	0.1		✓		✓
		Water Industry Coagulation, Flocculation, & Sedimentation	0.1	✓			
		Water Industry Disinfection Basics	0.1	✓	✓	✓	
		Water Industry Distribution Service to Customers	0.1		✓		
		Water Industry Effective Meter Reading	0.1		✓		
		Water Industry Filtration Basics	0.1	✓		✓	
		Water Industry Hazard Communication(s)	0.1	✓	✓	✓	✓
		Water Industry HAZMAT Spill Prevention & Control	0.1	✓	✓	✓	✓
		Water Industry Hearing Conservation	0.1	✓	✓	✓	✓
		Water Industry Hydraulics	0.1	✓	✓	✓	✓
		Water Industry Incident Investigation	0.1	✓	✓	✓	✓
		Water Industry Infectious Disease Control	0.1	✓	✓	✓	
		Water Industry Laboratory Safety	0.1	✓	✓	✓	
		Water Industry Maintenance on Pumps, Motors & Circuits	0.1	✓	✓	✓	✓
		Water Industry Mathematics Applied	0.1	✓	✓	✓	✓
		Water Industry Mathematics Basics	0.1	✓	✓	✓	✓
	Water Industry Risk Assessment	0.1	✓	✓	✓	✓	
	Michigan State University www.bus.msu.edu	Supervisory Management in the Water/Wastewater Field	6.0	✓	✓	✓	✓
	Nova Online www.nova-td.com	Cross Connection Control	0.6	✓	✓	✓	✓
		Water Quality Complaint Investigations	0.6	✓	✓		
		Disinfection of Water Mains & Storage Facilities	0.6	✓	✓		
		Monitoring & Sampling	0.5	✓	✓		
		Basic Microbiological Concepts	0.6	✓	✓		
		Groundwater Our Most Valuable Resource	0.7	✓	✓		
	Nova Scotia Community College (NSCC) http://onlinelearning.nsc.ca	*** Sciences	2.1	✓	✓	✓	✓
		*** Occupational Health & Safety (prior to September 1, 2011 only)	2.1	✓	✓	✓	✓
		*** Mechanical	2.1	✓	✓	✓	✓
		*** Reporting	1.4	✓	✓	✓	✓
	Water Operator Stream Courses *** Prerequisites Required						
	Water Quality Control (prereq for either of the following two courses)	0.7	✓	✓			
	Water Distribution	2.8		✓			
	Water Treatment	3.5	✓				
	Wastewater Operator Stream Courses *** Prerequisites Required						
	Wastewater Quality Control (prereq for either of the following courses)	0.7			✓	✓	
	Wastewater Collection	2.8				✓	
	Wastewater Treatment	3.5			✓		

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Technical Associations	Atlantic Canada Water and Wastewater Association (ACWWA) www.acwwa.ca	ACWWA Annual Conference 2007	0.9	✓	✓	✓	✓
		ACWWA Annual Conference 2008	1.5	✓	✓	✓	✓
		Water Treatment Course	2.8	✓			
		Water Distribution Course	2.8		✓		
		Wastewater Treatment Course	2.8			✓	
		Wastewater Collection Course	2.8				✓
		UV Disinfection	0.4	✓	✓	✓	✓
		Chlorine Handling and Disinfection	2.2	✓	✓	✓	✓
		Membrane Water Treatment Plant Operations	0.6	✓			
		Distribution System Corrosion and Control	1.2	✓	✓		
		Basic Math Workshop	0.6	✓	✓	✓	✓
		Fire Hydrant Maintenance and Repair	0.5		✓		
		Pipeline Assessment	1.1		✓		✓
		Risk Assessment	0.6	✓	✓		
		Drinking Water Legal Framework	0.5	✓	✓		
		Introduction to Ponds and Lagoons	0.7			✓	
		Basic Microbiology for Water & Wastewater Operators	0.7	✓	✓	✓	
		Water Efficiency and More - Methods, Results and Tips	0.6		✓		
		Optimizing Disinfection	1.2	✓	✓		
		Advances in Water Distribution Modelling	0.6		✓		
		Watermain Rehabilitation Technologies	0.6		✓		
		Hydrant & Valve Maintenance	0.6		✓		
		Watermain Disinfection	0.5		✓		
		Water Quality Sampling & Monitoring	0.7	✓	✓	✓	
		Continuous Water Quality Monitoring	0.6	✓	✓	✓	
		Basics of Pipe Tapping (2007)	0.6		✓		
		Electrical Safety Awareness	0.5	✓	✓	✓	✓
		Chemical Feed Systems Seminar	0.5	✓	✓	✓	
		The Basics of Wastewater Treatment	0.6			✓	
		Water Efficiency	1.2		✓		
		Biosolids Management Seminar	1.0			✓	
		Leak Detection	0.6		✓		
Small Water Systems	1.2	✓	✓				
Small Wastewater Systems	1.3			✓	✓		
Managing Small Water Systems	1.3	✓	✓				
Unidirectional Flushing	0.6		✓				
Pipe Tapping and Service Line Product; "From the Main to the Curb"	0.6		✓		✓		
Unidirectional Flushing (Aqua Data Atlantic)	0.4		✓				
Leak Detection (Aqua Data)	0.3		✓				

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Technical Associations	Maritime Provinces Water and Wastewater Association (MPWWA) www.mpwwa.ca	MPWWA Annual Conference	1.5	✓	✓	✓	✓
		Operational Best Practices (SOPs)	0.5	✓	✓	✓	✓
		Basic Math Course	0.6	✓	✓	✓	✓
		Basic Computer Course	0.6	✓	✓	✓	✓
		Basic Electricity for Water and Wastewater Operators (2006)	0.6	✓	✓	✓	✓
		Water Meter Workshop (2008)	0.6		✓		
		Control Valves	0.6	✓	✓	✓	✓
		Pumps Operating & Maintaining	0.6	✓	✓	✓	✓
		SCADA	0.6	✓	✓	✓	✓
		Introduction to Process Control	0.6	✓	✓	✓	✓
		Pressure Reducing Valves	0.6	✓	✓	✓	✓
		Pipe Layer	2.1		✓	✓	✓
		Valve Workshop	0.5	✓	✓	✓	✓
	American Water Works Association (AWWA) www.awwa.org	2007 Annual Conference & Exposition	2.1	✓	✓		
		2006 Water Security Congress	2.1	✓	✓		
		2008 Water Security Congress	2.1	✓	✓		
		2006 Distribution Systems Symposium & Exposition	2.1	✓	✓		
		2008 Distribution Systems Symposium & Exposition	2.1	✓	✓		
		2009 Water Security Congress	2.4	✓	✓	✓	✓
	International Water Association (IWA) www.iwahq.org/1nb/home.html	2009 IWA Leakage Conference	2.1		✓		
Canadian Water and Wastewater Association (CWWA) www.cwwa.ca	2006 Drinking Water Conference	2.1	✓	✓			
	2008 Drinking Water Conference	1.4	✓	✓			

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Other	American Trainco www.canadiantrainco.com	PLC for Non-Programmers	1.5	✓	✓	✓	✓
		Pumps and Pump Systems	1.4	✓	✓	✓	✓
		Basic Electricity for the Non-Electrician (2008)	1.6	✓	✓	✓	✓
	Trihedral Engineering Ltd www.trihedral.com	SCADA Software Operation & Configuration	2.9	✓	✓	✓	✓
	Accessible Water & Wastewater Solutions www.awws.ca	Pump Operations and Maintenance	0.6	✓	✓	✓	✓
		Mechanical Maintenance	0.6	✓	✓	✓	✓
		Basic Computers Module 1	0.6	✓	✓	✓	✓
		Basic Math Module 1	0.6	✓	✓	✓	✓
		Lab Skills Module 1	0.6	✓	✓	✓	✓
		Drinking Water Quality & Sampling	0.6	✓	✓		
		Detecting Leaks in Watermain Distribution Pipes	0.6		✓		
		Lift Station	0.6		✓		✓
		Technical Drawings	0.6	✓	✓	✓	✓
		Watermain Breaks & Repairs	0.6		✓		
		Watermain Disinfection	0.6		✓		
		Introduction to Motor Controls & VFDs	0.6	✓	✓	✓	✓
		Wastewater Treatment Process Control	0.6			✓	
		Chemical Feed Systems	0.6	✓	✓	✓	✓
		Introduction to Water Treatment	0.6	✓			
		Introduction to Water Distribution	0.6		✓		
	Introduction to Wastewater Collection	0.6			✓		
	Introduction to Wastewater Treatment	0.6				✓	
	Nova Scotia Community College (NSCC) www.nsc.ca	Cross Connection Seminar (Geno Pace)	0.6	✓	✓	✓	✓
		Trenching Hazard Awareness	0.3		✓		✓
		Oxy-Acetylene Cutting	0.7	✓	✓	✓	✓
		Cross Connection Awareness (Eugene Pothier)	0.6	✓	✓	✓	✓
		Cross Connections Control Certification (Geno Pace)	3.7	✓	✓	✓	✓
		Cross Connections Control Re-certification (Geno Pace)	1.5	✓	✓	✓	✓
		Tools & Maintenance	0.6	✓	✓	✓	✓
Halifax Water	Coagulation, Filtration and Jar Testing	0.4	✓				
	Occupational Health & Safety Act	0.6	✓	✓	✓	✓	
WaterTrax www.watertrax.com	WaterTrax Workshop	0.4	✓	✓	✓	✓	

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Other	<i>Del Getson and Associates Inc.</i>	First Critical Minutes	0.4	✓	✓	✓	✓
	<i>GE Water & Process Technology www.gewater.com</i>	GE-Zenon ZW1000 UF Membrane	2.4	✓			
	<i>Fairmont Engineering</i>	Mathematics for Water Operators	0.6	✓	✓	✓	✓
	<i>Flow-water Products Ltd.</i>	Pressure Regulating Valves	0.6	✓	✓	✓	✓
	<i>Clow Canada www.clowcanada.com</i>	Fire Hydrant Maintenance & Assembly (200-)	0.3		✓		
	<i>Hiltz & Seamone www.hiltzsea.ns.ca</i>	Water Treatment Equipment Operation Workshop	0.6	✓			
	<i>Occupational Health & Educational Services www.safetyonsite.ca</i>	Excavation & Trenching	0.6		✓		✓
		Forklift Training	0.6	✓	✓	✓	✓
	<i>ISES Inc.</i>	Defensive Driving Course	0.5		✓		✓
	<i>Audrey Buchanan</i>	Unidirectional Hydrant Flushing	0.6		✓		
	<i>Aquacenna Services</i>	Water Distribution Operation and Maintenance	0.7		✓		
		Wastewater Collection Operation and Maintenance	0.7				✓
		Basic Math for Operators	0.7	✓	✓	✓	✓
	<i>Robert White</i>	Operation and Maintenance of the Distribution System	2.4		✓		
	<i>PBBA Atlantic Inc. www.pbbaatlantic.com</i>	Supervisory Development - The Professional Supervisor	2.3	✓	✓	✓	✓
		Supervisory Development - Managing Employee Performance	2.3	✓	✓	✓	✓
		Supervisory Development - Understanding Projects	2.3	✓	✓	✓	✓
	<i>Walkerton Clean Water Centre www.wcwc.ca</i>	Water Valve Operation & Maintenance	0.7	✓	✓		
		Disinfection of Watermains	0.7	✓	✓		
		Watermain Breaks & Repairs	0.7	✓			
Watermain Flushing & swabbing		0.7	✓				
Basic Chlorination & Disinfection		0.7	✓	✓	✓		
<i>Lorne R. Johanson</i>	Chlorine Handling & Disinfection	2.4	✓	✓			
	Water and Wastewater Fundamentals	1.2	✓	✓	✓	✓	
<i>David Walsh Safety Consulting Services Ltd.</i>	Excavation & Trenching Safety	0.3		✓		✓	

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Other	World Water Operator Training Company Inc. (WWOTC) http://www.owotc.com	Trenching & Excavating	0.4		✓		✓
		Chlorine Emergency Repair Kit	0.3	✓	✓	✓	
		Chlorine Residual Testing	0.3	✓	✓	✓	
		Record Keeping	0.3	✓	✓	✓	✓
		Commissioning New Watermain Systems	0.7		✓		
		Maintaining Chlorine Residuals & Proper Sampling	0.6	✓	✓		
		Watermain Disinfection	0.7		✓		
		Watermain Breaks & Repairs	1.4		✓		
		Water Quality for Distribution Systems	0.6	✓	✓		
		Pumps & Pumping Hydraulics	0.7	✓	✓	✓	✓
		Lift Station Operation & Maintenance	0.6				✓
		Controlling Wastewater Collection Inflow & Infiltration	0.7				✓
		Ponds & Lagoons	0.7			✓	✓
		Chemical Safety	0.6	✓	✓	✓	✓
		Exam Preparation for Water Distribution Level 1 & 2	2.7		✓		
		Exam Preparation for Water Distribution Level 3 & 4	2.7		✓		
		Groundwater Treatment & Water Quality	0.6	✓	✓		
		Cross Connection Control	0.6	✓	✓	✓	✓
		Ponds & Lagoons for Small Systems	1.2			✓	✓
		Buried Utility Locating	0.6		✓		✓
		Distribution System Breaks & Repairs	0.6		✓		
		Sewer Flushing & Cleaning Techniques	0.6				✓
		Wastewater Problem Solving	0.6			✓	✓
		Calculations in Wastewater Technology	0.6			✓	
		Operation & Maintenance of Fire Hydrants	1.3		✓		
		Introduction to Membranes	0.7	✓			
		Hydrostatic Testing of Watermains	0.7		✓		
		Corrosion Prevention & Control	0.7	✓	✓		
		Distribution System Pipe Assemblies	1.4		✓		
		Tapping of Watermains	0.7		✓		
		Arsenic in Drinking Water	0.6	✓	✓		
		Commissioning New Watermains	0.7		✓		
		Fundamentals of Water Distribution for New Operators	3.4		✓		
		Anhydrous Ammonia Safety	0.4	✓	✓		
		Gas Chlorination Safety	0.4	✓	✓	✓	✓
		Gas Chlorination & Disinfection	2.7	✓	✓	✓	
		Flushing Techniques	0.6		✓		
		Emerging Issues: Lead Services (Get the Lead Out)	0.6		✓		
		Hypochlorination & Disinfection	2.1	✓	✓		
		Chlorination	0.6	✓	✓		
Chlorination & Disinfection Refresher	0.6	✓	✓	✓			
Iron & Manganese Removal	0.6	✓	✓				
Exam Preparation for Water Treatment Level 1 & 2	2.7	✓					
Exam Preparation for Water Treatment Level 3 & 4	2.7	✓					

	Training Provider	Course Name	Approved CEUs	Applicable to:			
				Water Treatment	Water Distribution	Wastewater Treatment	Wastewater Collection
Other	World Water Operator Training Company Inc. (WWOTC) www.owotc.com	Adverse Water Quality Responses	0.6	✓			
		Exam Preparation for Wastewater Treatment Level 1 & 2	2.7			✓	
		Exam Preparation for Wastewater Treatment Level 3 & 4	2.7			✓	
		Activated Sludge Control	2.0			✓	
		Bio Solids Handling	1.3			✓	✓
		Basic Wastewater Treatment	2.0			✓	
		Basic Wastewater Collection	2.0				✓
		Basic Wastewater Treatment for Collection System Operators	0.6			✓	✓
		Exam Preparation for Wastewater Collection Level 1 & 2	2.7				✓
		Exam Preparation for Wastewater Collection Level 3 & 4	2.7				✓
		Basic Water Distribution for Water Treatment Operators	0.6	✓	✓		
		Collection System Odour & Corrosion Control	0.7				✓
		Basic Laboratory Procedures for Water Operators	0.7	✓	✓		
		Surface Water Treatment & Water Quality	0.6	✓			
		Fixed Film & Other Treatment Processes	1.3			✓	✓
		Wastewater Digester Operation & Control	0.6			✓	
		Microorganisms	0.6			✓	
		Chemistry & Calculations for Clarifier Sludge Conditioning	2.0			✓	
		Phosphorus Removal Systems	0.5			✓	
		Nitrogen Removal Systems	0.6			✓	
Basic Wastewater Collection for Treatment Plant Operators	0.7			✓	✓		
Basic Water Treatment for Water Distribution Operators	0.7	✓	✓				
Atlantic Purification Systems Ltd. www.aps.ns.ca	Trojan Technologies UVSwift SC	0.3	✓	✓	✓		
	Trojan Technologies UV3000 PTP	0.3	✓	✓	✓		
	Trojan Technologies UV3000 PLUS	0.6			✓		
G and M Project Management	Water Loss Management	1.7		✓			
David Pernitsky-CH2M Hill	Jar Test Seminar	0.6	✓				
Dalhousie University	Water and Wastewater Operator Workshop	1.0	✓	✓	✓	✓	
Trailwalk Holdings www.trailwalk.ca	Lockout/Tagout	0.4	✓	✓	✓	✓	
McLennan Sales www.mclennansales.com	From the Main to the Curb-Waterworks Basic	0.7		✓			
	When You Just Can't Go with the Flow	0.6				✓	

* Approved courses may be offered by multiple training providers. Updates will be made as information is provided