



**Water Security Agency
Water and Wastewater Operator
Certification Program**

**Continuing Education Unit
Evaluation and Credit**

Saskatchewan Water Security Agency Water and Wastewater Operator Certification Program

Guidelines for Continuing Education Unit and Course Evaluation

Background

Certification is based on *The Environmental Management and Protection Act, 2010* (EMPA) that was enacted on June 1, 2015. Section 98(1) Items (u) to (y) of this Act provides, in part, that the Lieutenant Governor in Council may make regulations respecting training and qualification of operators of the waterworks and sewage works. The Waterworks and Sewage Works Regulations, states in Section 62 that all owners of a municipal waterworks or wastewater works **are required** to ensure the responsibility for the overall day-to-day operation of the works be placed with an operator(s) holding the appropriate certificate(s).

The Environmental and Municipal Management Division of the Water Security Agency (WSA) administers the Water and Wastewater Operators Certification Program for the province. The WSA is a member of the Association of Boards of Certification (ABC), and follow their model for certifying Water and Wastewater Operators.

One of the requirements for higher levels of certification is formal post-secondary education. A need for a Continuing Education Unit (CEU) to enable operators, without post-secondary education, to achieve an equivalent education level was needed. The CEU system in use by the WSA is recognized and adopted from the ABC model and the International Association for Continuing Education and Training (IACET).

The Continuing Education Unit (CEU)

By definition, one Continuing Education Unit equals ten contact hours of participation in organized continuing education/training experience under responsible, qualified direction and instruction as approved by the certification authority.

Forty-five (45) CEU is equivalent to 1 grade of high school level achievement or 1 year of post-secondary education.

Course relevance is determined on a case-by case- basis by the WSA Operator Certification Program. Some exceptions are given to courses reviewed by other certification authorities such as AWWA, ABC, Manitoba Water and Wastewater Facility Operators Certification Program, Alberta Environment Water and Wastewater Operator Certification Advisory Committee, etc.

Post-Secondary Education

The Saskatchewan Water and Wastewater Works operator Certification Standards, 2012, require either 2 years of post-secondary education for Level III certification or 4 years of post-secondary education for Level IV certification. Substitutions of applicable approved experience or CEU are permitted.

Post-secondary education is defined as a one, two, three or four year program at a recognized institution that results in a diploma, certificate or degree. The program must be shown to be relevant to the water and wastewater operations industry. This means that it must be science/math based rather than arts/humanities based.

Course relevance and partial degrees, diplomas or certificates is determined on a case-by case- basis by the WSA Operator Certification Program. The maximum post-secondary education credit that can be applied to the certification program is four years.

Educational Course Assessment for the Operator Certification Program

Equivalent Time Calculation

For the purpose of calculating time allocation, one year of post high school is equal to 30 credit hours of university courses based on five classes each of three credit hours per semester over two semesters; 1,200 hours of course content from a technical school; 45 CEU's of training in an appropriate field; or completion of a full year of course content in an appropriate field of study as defined below.

Appropriate Field of Studies - Completed Degrees and Diplomas

For the purpose of completed degrees and diplomas a DACUM will be used to assess the acceptability of the program. The DACUM establishes the minimum course content requirements to meet the training needs of an operator. The DACUM for water and wastewater operators requires that any degree or diploma include the minimum of:

- courses in mathematics or physics;
- courses in environmental studies, water/wastewater or related fields; courses in a natural science (Biology, Chemistry); and
- courses in administration or management.

In general, the following areas of study are appropriate as post-secondary educational fields:

- a Bachelor Degree in Science, Medicine or Engineering resulting in a B.Sc, B.A.Sc or B. Eng. This includes Agriculture, Biology, Laboratory Studies and Chemistry degrees; and
- a diploma in the field of Applied Science and Technology, Laboratory Studies, Medical Studies or Engineering Technology.

If a degree or diploma does not meet the minimum DACUM requirements, the applicant will be advised of the missing component(s) and be required to supplement their education by attending CEU accredited courses or by other educational means. The Certification Board will review and assess non-traditional educational programs not addressed by this policy as required. The assessment will be based on a common understanding of educational requirements needed for an operator to perform their duties.

Education and Training

Education and training can be broken into several separate categories:

1. High school diploma, high school equivalency diploma or GED, as well as "Adult Upgrading" are NOT eligible for CEU assignment.
2. Formal post-secondary programs (certificate, diploma, degree)
3. Formal related water and wastewater training on specific topics or for preparation for certification exams – eligible for CEU assignment.
4. On-the-job training is NOT eligible for CEU assignment.
5. In-house training MAY be approved for CEU
6. Continuing education courses or events that do qualify for CEU.

Courses Considered for CEU

Any course that meets the definition of CEU, and that can be referenced to a recognized need-to-know, will be assigned CEU. This includes classroom courses, seminars, conferences or workshops. It also includes courses that are offered by correspondence or on-line. CEU for correspondence or on-line courses will be determined by assessing the amount of time it would take to deliver the material if it were to be delivered in a classroom setting, not the amount of time it actually takes to complete.

The following is a partial list of trainings/courses that are recognized by the Certification Program. If you have taken training that is not listed here and you think that it is relevant, you may submit a course outline/description to the Certification Coordinator for review. The list will be updated regularly as new courses are submitted for assessment.

CEU Listing

The Water Security Agency will be maintaining a list of courses that have been assigned CEU's. The list will be divided into two parts, the first will list those courses that are continuously available or are available on a regular basis and the second will be those courses that were on-time offerings and are no longer available.

CEU's will not be given for duplicate training. (i.e. an operator will not receive CEU credit for repeating the same course).

If you have taken training and it is not listed on the approved list, and you think it is relevant, you may submit a "Request for Course Evaluation" to the Operator Certification Board. The Request for Course Evaluation form can be found on the SaskOCB.ca website:

<http://www.saskocb.ca/index.php?page=ceu-evaluations>

The available training listed may or may not be current. Please contact the training provider directly for more information on specific courses.

Areva Resources Canada Inc.

Course Name		CEU
• Lockout/Tagout		0.4
• Confined Space Entry		0.4
• Personal Fall Protection		0.4

A.R. Williams

<http://www.arwilliams.com/regina.php>

Course Name		CEU
• Skid Steer Safety Training		0.4
• Aerial Work Platform Operator Safety Training		0.4
• Forklift Operator Safety Training		0.4

Academy of Learning

Course Name		CEU
• CompTIA A+ Certification Essentials (Academy of Learning)		10.0

Agriculture & Agri-Food Canada through the Federal Interdepartmental Training Board

http://www.waterqualitytraining.ca/waterQuality101_e.php

Course Name		CEU
• Water Quality 101: Potable Water Micro-System Fundamentals	Online	0.5

Alberta ESRD

<http://esrd.alberta.ca/water/programs-and-services/drinking-water/protection/water-and-wastewater-operator-certification.aspx>

Course Name		CEU
• I-100 Introduction to Incident Command System		0.3

Alberta Water & Wastewater Operators Association (AWWOA)

<http://www.awwoa.ab.ca/>

Course Name		CEU
• Pumps: Theory, Operation and Maintenance (home study)		3.0
• Small Wastewater System Operations (home study)		0.6
• Process Control Instrumentation Basics	Dec 10-11, 2013	1.2
• Water Treatment Plant Operations (correspondence)		15.0

American Public Works Association (APWA)

<http://www.apwa.net/>

Course Name		CEU
• APWA Conference 2011 – Denver Colorado	Sep 18-21, 2011	0.8

American Water Works Association (AWWA)

<http://www.awwa.org/>

Course Name		CEU
• AWWA Webcasts (any)	Contact MOE	? ?
• AWWA Seminar on Demand	depending on seminar	? ?
• Water Treatment Operator Level 1	variable	6.0
• Water Treatment Operator Level 2	variable	6.0
• Water Treatment Operator Level 3	variable	6.0

AWWA eLearning (short list – more are available)		
• Advanced Disinfection of Pipelines and Storage Facilities		0.2
• Applied Mathematics		0.3
• Asbestos (General Industry)		0.1
• Basic Mathematics		0.7
• Coagulation, Flocculation and Sedimentation Basics		0.3
• Cross Connection Control Specialist Course		3.0
• Disinfection Basics		0.3
• Disinfection of Pipelines and Storage Facilities		0.2
• Distribution Service to Customers		0.3
• Distribution System Materials and Equipment		0.3
• Electrical Safety (Construction)		0.1
• Emergency Response Planning		0.2
• Excavations (Construction)		0.1
• Filtration Basics		0.3
• Financial Management Cost of Service Rate Making		0.5
• Fire Hydrant Operations & Maintenance		0.3
• Fundamentals of Chemistry for Water Professionals		0.8
• GeoScience in Water Aquifers		0.2
• Hearing Conservation		0.1
• Hydraulics		0.8
• Introduction to OSHA		0.1
• Lockout / Tagout		0.1
• Materials Handling (Construction)		0.1
• Optimizing Performance Using Turbidity Data		0.3
• Permit-Required Confined Spaces		0.1
• Personal Protective Equipment (Construction)		0.1
• Pipeline Repair		0.3
• Pollution Prevention		0.1
• Pump Maintenance		0.2
• PVC Pipe in the Field		0.2
• Respiratory Protection		0.1

• Scaffolds (Construction)		0.1
• Security Planning for Drinking Water Systems: An Operational Approach		0.2
• Spill Prevention Control and Countermeasure (SPCC)		0.3
• Storm Water Pollution Prevention		0.1
• Water 101		0.5
• Watermain Installation		0.3
• Water System Mechanical Equipment		0.2

Anderson Pump House

<http://www.andersonpumphouse.com/>

Course Name		CEU
• Metering Pumps		0.3

Armour Safety Inc.

<http://armoursafety.com/>

Course Name		CEU
• Fall Protection		0.6
• Confined Space Rescue w Safety, Spark Watch & SCBA, Level 3		0.8
• Standard First Aid / CPR	Red Cross	1.6
• Standard First Aid / CPR Recertification	Red Cross	0.8
• Transportation of Dangerous Goods		0.4
• WHMIS – Workplace Hazardous Materials Information System		0.3
• Powered Mobile/Heavy Equipment Safety Training (OH&S)		0.7
• H2S Awareness		0.4
• Ground Disturbance Level 2 – For Supervisors		0.5
• H2S Alive ENFORM		0.7
• Rigging and Hoisting		0.7
• Global Ground Disturbance 2	various	0.7
• Confined Space Entry (only)	various	0.6
• Confined Space Entry & Rescue	various	0.8
• Asbestos Awareness	various	0.3

Assembly of First Nations (AFN)

<http://www.afn.ca/>

Course Name		CEU
• Water and Wastewater Infrastructure in First Nations Communities: Past, Present and Future		0.1
• 1a - Capacity and Training: CRTP		0.1
• 1b - Contaminants in Water		
• 1c - Innovative Technologies and Approaches: Case Studies		

<ul style="list-style-type: none"> • 2a - Atlantic Perspective - Presentation on the importance of information collection: • 2b - Procedure for Addressing Drinking Water Advisories in First Nation Communities South of 60° 		0.1
<ul style="list-style-type: none"> • 3a - Community Based Water Monitors • 3b - First Nation - Municipal Community Infrastructure Partnership Program (CIPP) 		0.1
<ul style="list-style-type: none"> • 4a - Environment Canada - Wastewater Systems Effluent Regs • 4b - Innovative Technologies and Approaches: Case Studies • 4c - Guidelines for the review of Water and Wastewater Project Proposals in First Nation Communities South of 60° 		0.1
<ul style="list-style-type: none"> • 5a - Fraser River Basin Council • 5b - Capacity and Training: CRTP • 5c - Innovative and Small systems Water Technology research - Interactive session 		0.1
<ul style="list-style-type: none"> • 6a - National Science Foundation (NSF 60/61) Standards • 6b - How to manage risk – Operating within Protocols 		0.1
<ul style="list-style-type: none"> • 7a - Integrated Water Safety Risk Assessments and Asset Management Solutions in First Nation Communities • 7b - Source Water Protection Planning • 7c - Collaboration with the Walkerton Clean Water Centre 		0.1
<ul style="list-style-type: none"> • 8a - Introduction to cyanobacteria, their toxins, challenges in water treatment and management options. • 8b - The long term benefits of regular sampling and monitoring 		0.1

Associated Engineering

<http://www.ae.ca/>

Course Name		CEU
<ul style="list-style-type: none"> • Water & Wastewater Capacity Building Seminar - Toronto 	Nov 1-3, 2012	1.0
<ul style="list-style-type: none"> • Northern Communities Water Treatment Seminar 	Sept 2, 2015	0.3

ATAP Infrastructure Management Ltd.

<http://www.atap.ca/>

Course Name		CEU
<ul style="list-style-type: none"> • Class 1 Water Treatment/Distribution 	5 days	3.0
<ul style="list-style-type: none"> • Class 1 Wastewater Treatment/Collection 	5 days	3.0
<ul style="list-style-type: none"> • Class 2 Water Treatment/Distribution 	5 days	3.0
<ul style="list-style-type: none"> • Class 2 Wastewater Treatment/Collection 	5 days	3.0
<ul style="list-style-type: none"> • Class 3 / 4 Water Treatment 	5 days	3.0
<ul style="list-style-type: none"> • Class 3 / 4 Wastewater Treatment 	5 days	3.0
<ul style="list-style-type: none"> • Class 3 / 4 Water Distribution/Wastewater Collection 	5 days	3.0
<ul style="list-style-type: none"> • Class 1 Water Treatment / Distribution and Class 1 Wastewater Treatment / Collection 	5 weeks	6.0
<ul style="list-style-type: none"> • Confined Space Entry 		0.6
<ul style="list-style-type: none"> • Control Systems Troubleshooting Basics 		0.6

• Filter Surveillance & Optimization (formerly Filter Maintenance & Surveillance)		0.6
• Gas Chlorination (must attend both days)		1.2
• Hypo-Chlorination & Feeder Maintenance		0.6
• Iron & Manganese Removal		0.6
• Jar Testing		0.6
• Lagoon Operation and Maintenance		0.6
• Membrane Filtration (class & practical)	2 days	1.2
• Membrane Filtration	1 day	0.6
• Water and Wastewater Foundations Course (previously titled; Operator Math & Science Preparatory Course, date changed November 6, 2014)	3 days	1.8
• Water Distribution System Maintenance		0.3
• Watermain Swabbing		0.6
• Extended version with half day hands on		1.0
• Water & Wastewater Workers Safety		0.6
• Wastewater Collection Maintenance (formerly Fall Maintenance - Collection Systems)		0.6
• WHMIS		0.3
• Prince Albert Training Session	various	1.5
• Standard Operating Procedures, Contingency Plans & Emergency Planning	various	0.6
• Chloramination 101		0.3
• Sampling Techniques and Analysis for Water and Wastewater		0.3
• Hydrant Operation		0.3
• Hydrant Operation and Maintenance		0.6
• Hydrant Flow Testing	various	0.6
• Water Disinfection Techniques	various	0.6

Blackjack Holdings

Course Name		CEU
• Ground Disturbance Level II		0.4
• Transportation of Dangerous Goods		0.4
• Fall Protection		0.4
• Basic Fire (Fire Awareness)		0.4

Brenntag Canada Inc.

Course Name		CEU
• Chlorine Safety Awareness Seminar, Buffalo Pound WTP	Aug 22, 2012	0.3

California State University - Sacramento (CalState)

<http://www.owp.csus.edu/>

Course Name		CEU
Drinking Water Courses		
• Water Treatment Plant Operation	Volume 1	9.0
• Water Treatment Plant Operation	Volume 2	9.0
• Water Distribution System Operation and Maintenance		9.0
• Small Water System Operation & Maintenance		9.0
Online Wastewater Courses		
• Wastewater Treatment: Facilities and Pre-treatment	WAT 601A	1.8
Other		
• Pre-Treatment Facility Inspection		9.0
• Small Water Systems – Wells		1.5
Management Courses		
• Utility Management	Pre 2003	4.5
• Utility Management	Post 2003	2.0
• Managing for Success: Effective Utility Leadership		4.5
Wastewater Courses		
• Operation of Wastewater Treatment Plants	Volume 1	9.0
• Operation of Wastewater Treatment Plants	Volume 2	9.0
• Advanced Waste Treatment	Volume 1	9.0
• Operation & Maintenance of Wastewater Collection Systems	Volume 1	9.0
• Operation & Maintenance of Wastewater Collection Systems	Volume 2	9.0
• Small Wastewater System Operation & Maintenance	Volume 1	9.0
• Small Wastewater System Operation & Maintenance	Volume 2	9.0
• Industrial Wastewater Treatment	Volume 1	9.0
• Industrial Wastewater Treatment	Volume 2	9.0

Cameco

<http://www.cameco.com/>

Course Name		CEU
• Confined Space Awareness		0.4
• Lockout / Tagout		0.3
• Respirator Fit Testing		0.2
• St. John Ambulance Emergency Course		0.8
• St. John Ambulance Standard Course		1.6
• St. John Ambulance Intermediate Course		2.0
• Fall Protection		0.4
• WHMIS – (Workplace Hazardous Materials Information System)		0.4
• Basic Rigging		1.0
• Respirator Fit TeRiver		0.3
• Hazard Awareness NFPA 472 – McArthur River (Wilbur Hueger)		1.6
• Wastewater Collection & Treatment – McArthur River		0.5
• Potable Water Operation – Rabbit Lake		1.6
• Control of Hazardous Energy – McArthur River		0.3

Canadian Association for Laboratory Accreditation Inc. (CALA)

<http://www.cala.ca/>

Course Name		CEU
• 1000: Understanding ISO/IEC 17025	various	1.3
• 2000: Internal Auditor for ISO/IEC 17025	various	1.1
• 4300: Control Charting for Laboratories	various	0.6
• 4200: Internal Calibration for Laboratories	various	0.6

Canada Safety Council (CSC)

Course Name		CEU
• ATV Training Course – Moose Mountain Provincial Park	Oct 7, 2013	0.5
• Utility Vehicle Training Course –Moose Mountain Provincial Park	Oct 8, 2013	0.5
• Defensive Driving Course	May 22, 2015	0.3

Canadian Water and Wastewater Association (CWWA) – NWWC

Course Name		CEU
• CWWA – NWWC	Oct 25-28, 2015	1.5

Canwit Consulting Corp.

<http://www.canwit.com/index.htm>

Course Name		CEU
• WHMIS – Self Study Course	various	0.2

Capital Safety

<http://www.capitalsafetytraining.com/>

Course Name		CEU
• DBI/SALA Fall Protection General Awareness, BPWTP		0.4
• DBI/SALA Fall Protection equipment Inspection Training, BPWTP		0.4

Chase Operator Training Ltd.

<http://www.chaseot.com/>

Course Name		CEU
• Skid Steer Operator Training		0.5
• Wheel Loader Operator Training		0.5
• Picker Truck Operator Training		0.5
• Backhoe Operator Training		0.5
• Excavator Operator Training		0.5

Circuit Rider Trainers Professional Association

<http://www.crtpa.com/>

Course Name		CEU
• Disinfection Alternatives, Montreal	Sept 1, 2011	0.7

City of Estevan

Course Name		CEU
• Service Line Applications & Tapping Seminar (Don Webb)	Apr 25, 2013	0.7

City of Lloydminster

Course Name		CEU
• Arc Flash & Low Voltage Training	March 2013	0.8
• Crane Operations & Safety Training	March 2013	0.6
• Confined Space Pre-Entry, Entry and Basic Rescue	February 2014	0.6

City of Moose Jaw

Course Name		CEU
• City of Moose Jaw Safe Trenching and Excavating	May 2017	0.4

City of North Battleford

Course Name		CEU
• Management and Supervision (AWWOA)	Nov 17-19, 2014	2.0
• Water Quality Sampler Orientation (AWWOA)	Nov 17-18, 2014	1.0
• Process Control Instrumentation – Intermediate (AWWOA)	Feb 18-19, 2015	1.2
• Chlorination Workshop (AWWOA)	Apr 27-29, 2015	2.0
• OSSA Fall Protection	Mar 5, 2016	0.6

City of Prince Albert

<http://www.citypa.ca/>

Course Name		CEU
• Water Distribution Class 1 – Optimize Consulting		1.1
• Wastewater Collection Class 1 – Optimize Consulting	Jun 21-24, 2010	1.1
• Water Distribution Class 2 – Optimize Consulting		1.1
• Water Treatment Class 4 – Optimize Consulting	Jan 27-28, 2011	1.6
• Wastewater Treatment Class 4 – Optimize Consulting	Dec 6-9, 2010	3.2
• Wastewater Treatment Class 3 – Optimize Consulting		3.2
• Wastewater Collection Class 1-3 Optimize Consulting	Dec 14-15, 2011	1.2
• Supervision for Safety	Feb 25 Mar 4, 18, 2014	0.7
• AWI Filter Surveillance Workshop	Feb 27, 2014	0.6

• Powered Mobile Equipment	May 6-7, 2014	1.4
• Fireman Certificate Course & Provincial Exam,		1.4
• Standard First Aid, CPR C, AED (Lifesaving Society)	Nov 4-5, 2014	1.6
• Actiflo Clarification Operation, Maintenance & Optimization Workshop (Veolia Water Solutions & Technologies Canada)	March 2015	0.6
• WHMIS 2015	various	0.4
• Fall Protection	various	0.5
• Flag Person	various	0.3

City of Regina

www.regina.ca

Course Name		CEU
• Biological Nutrient Removal for Operators	Apr 26-27, 2012	1.2
• Fleet Safety & Training–Confined Space Training Entry & Rescue	2016	0.7
• Fleet Safety & Training – Overhead Crane	2016	0.7
• Fleet Safety & Training – Truck Mounted Crane	2016	0.6
• Fleet Safety & Training – Traffic Accommodation/Traffic Flagging	2016	0.4
• Fleet Safety & Training – Trailer Towing & Cargo Securement	2016	0.6
• Fleet Safety & Training – Fall Protection	2016	0.7

City of Saskatoon

www.saskatoon.ca/

Course Name		CEU
• UV Disinfection Training Workshop, Ozonia	November 2009	0.4
• Traveling Water Screen Training Workshop, Siemens	June 16, 2010	0.3
• Troubleshooting of Centrifugal Pumps, Vaughan Company Inc.	June 9, 2010	0.4
• Arc Flash & Low Voltage Training	Sept 15-17, 2009	0.8
• Chlorine Gas Feed Equipment – Siemens Water Technologies	Nov 2-3, 2011	1.1
• Operator HMI Training - Hinz	July 16, 2012	0.3
• EIM Tec2000, Spartan Controls	Dec 12, 2012	0.7
• Asbestos Awareness (AC Pipe SOP), C. Davidson	various	0.2

City of Swift Current

Course Name		CEU
• Actiflo Training, John Meunier	Oct 25-26, 2011	1.0

ClearTech Industries Inc.

<http://www.cleartech.ca/index.php>

Course Name		CEU
• Safe Handling of Chlorine Gas, Maple Creek	July 6, 2011	0.6

Corix Water Products

Course Name		CEU
• AWWA C504 Butterfly Valves and Actuators	various	0.6

Credenda Virtual High School & College (Water Tech Course)

<http://www.credenda.net>

Course Name		CEU
• WWW101 Water Distribution 1		6.0
• WWW102 Water Treatment 1		8.0
• WWW103 Wastewater Collection Systems		6.0
• WWW104 Wastewater Treatment 1		9.0
• WWW110 Science and Electricity		4.0
• WWW112 Hydraulics and Blueprint Reading		5.0
• WWW115 Water Treatment Laboratory Analysis 1		1.6
• WWW140 Computer Software Applications		3.0
• WWW201 Water Distribution 2		6.0
• WWW202 Water Treatment 2		9.0
• WWW203 Support Systems		9.0
• WWW204 Wastewater Treatment 2		9.0
• WWW210 Introduction to Process Control		TBD
• WWW213 Wastewater Collection Systems		5.0
• WWW215 Water Treatment Laboratory Analysis 2		1.2
• WWW220 Wastewater Treatment Laboratory Analysis 2		1.2

CSA / NASSCO (Garret Harvey)

Course Name		CEU
• Visual Inspection of Sewer Pipe – CSA Plus 4012 with NASSCO PACP	March 2013	1.2

Cumberland College

www.cumberlandcollege.sk.ca

Course Name		CEU
• Lagoon O & M, Nipawin	Oct 18, 2006	0.5
• Red Cross First Aid / CPR / AED	various	2.0
• Construction Safety Training Certificate	various	0.5
• WHMIS	various	0.3
• Confined Space Entry & Rescue	various	1.2
• Power Mobile Equipment Operator	various	0.7
• Fire Safety – Fire Extinguisher	various	0.7

Dave Clark Water Treatment Consulting Inc.

Course Name		CEU
• Filtration Processes	various	0.2
• Basic Water Chemistry	various	0.2
• Water Analysis	various	0.2
• Water Plant Math	various	0.2
• Chemical Feed Pumps	various	0.2
• Chemically Assisted Filtration	various	0.2
• Jar Testing	various	0.6
• Douglas / Danielson Park Training Session	July 2-23, 2011	1.6

David H. Paul Inc. Training – Correspondence

<http://www.dhptraining.com/dhp/>

Course Name		CEU
Reverse Osmosis Water Treatment Specialist Program		
• Course – 1 Math, Chemistry, Biology	Book 145	3.0
• Course – 2 Reverse Osmosis	Book 146	3.0
• Course – 3 RO Troubleshooting / Cleaning	Book 147	3.0
• Reverse Osmosis Operation and Maintenance – Key Lake	June 1, 2010	0.7
• Reverse Osmosis Monitoring & Troubleshooting – Key Lake	June 2, 2010	0.7
• RO Operation – Hands On	various	0.7
• RO Chemical Cleaning – Hands On	various	0.7
• Advanced RO Chemical Cleaning – Hands On	various	0.7
• RO Analytical Troubleshooting – Hands On	various	0.7
• RO Mechanical Troubleshooting – Hands On	various	0.7
• Reverse Osmosis 101	various	0.7
• Monitoring & Troubleshooting of RO Units - Hands On	various	0.7
• Operation, Control & Maintenance of RO Pre-treatment	various	0.7
• Operation, Control & Maintenance of RO Units - Hands On	various	0.7
• Optimal Design & Operation of RO Systems	various	2.1
• Optimal Design & Operation of RO Systems (Revised 2 days)	various	1.4
• RO Monitoring and Troubleshooting OLC 118	online	1.2

Digital-2000 Inc.

<http://www.digital-2000.com/>

Course Name		
Module	Time (minutes)	CEU
• Chemical Safety	63	0.1
• First Aid	103	0.2
• Field Equipment Module I	103	0.2
• Field Equipment Module II	66	0.1
• Tool Safety	60	0.1
• Elevated Work	61	0.1
• Treatment Plant	107	0.2
• Field Operations Safety Module I	74	0.1

• Field Operations Safety Module II	60	0.1
• Field Operations Safety Module III	64	0.1
• Personal Protective Equipment	101	0.2
• Electrical Safety	67	0.1
• Shop Safety	72	0.1
• General Safety Module I	102	0.2
• General Safety Module II	70	0.1
• Water/Wastewater operations Safety Module	91	0.2
• Security and Disaster Preparedness Module	99	0.2
• Administrative Module	60	0.0

Edmonton Waste Management Centre of Excellence

www.ewmce.com

Course Name		CEU
• Anaerobic Digestion		1.2
• Biological Nutrient Removal		1.2
• Biosolids Management		1.2
• Dissolved Air Flotation		1.2
• Level ¾ Certification Preparation		1.3
• Membrane Treatment of Wastewater		1.2
• Primary Sludge Fermentation		1.0
• Pumps and Blowers		1.2
• Reading P&IDs		0.6
• Wastewater Disinfection		0.6

Energy Guard Water Technologies

Course Name		CEU
• Reverse Osmosis – Operations & Maintenance		
• Basics of Membrane Treatment		0.6
• Advanced Membrane Treatment		0.6
• Softeners and Filter Performance		0.6

Enform

Course Name		CEU
• H2S Alive		0.6
• Confined Space 1 & 2		0.8
• WHMIS		0.3
• Oil Production Op. (Part. Credit for Pumps & CTRL Systems)	Mar 11-15, 2013	0.3

Environmental Leverage Inc.

Course Name		CEU
• M004 How to Use a Microscope	May 12, 2017	0.4
• M001 Wastewater Microbiology	May 12, 2017	0.2
• M002 Wastewater Microbiology	May 12, 2017	0.25
• M003 Wastewater Microbiology	May 12, 2017	0.2
• WW01 Wastewater Basics	May 12, 2017	0.2
• WW02 Visual Troubleshooting	May 12, 2017	0.7

EnviroWay

<http://www.enviroway.net/>

Course Name		CEU
• Wastewater Biology - Balance, PATTON and Bioaugmentation		0.3
• Drinking Water – Basic Water Analysis – Hach, Randy Hanson	May 9, 2012	0.4
• Enviro H2O Seminar – Michael King, Bob Cashion	Mar 1, 2013	0.4
• Enviro H2O Training Show	Feb 12, 2014	0.6

EOCP

Course Name		CEU
• Automatic Control Valve Application & Operation	Singer Valve	1.2

Evergreen Safety & Training

Course Name		CEU
• Global Ground Disturbance Level 2	various	0.7
• OSSA Confined Space Entry & Monitor	various	0.7
• OSSA Fall Protection	various	0.7
• Enform H2S Alive	various	0.7

FABCO Plastics Saskatoon Ltd.

Course Name		CEU
• ASME B31.3 A328 Bonding Procedure & ASTM D2855 Solvent Cement Welding Process for PVC & CPVC	May 18, 2016	0.3

Fauser Energy

Course Name		CEU
• Confined Space Entry Level 2	Apr 17, 2015	0.6

Federation of Saskatchewan First Nations (FSIN) & Touchwood Agency Tribal Council

<http://www.fsin.com/>

Course Name		CEU
• Water Monitoring & Building & Strengthening Skills	Apr 25-27, 2012	1.0
Touchwood Agency Tribal Council		
• Introduction to GPS, Cansel Canada	Oct 16-17, 2012	0.6
• Drinking Water – Basic Water Analysis – Hach	Oct 16-17, 2012	0.3
• Metering Pumps – Anderson Pump House	Oct 16-17, 2012	0.3
• Making Drinking Water Safe (RO 1)	Feb 10-11, 2014	1.0
• Drinking Water Treatment: The Why and How of Water Treatment	Oct 28-29, 2014	1.0
Saskatoon Tribal Council Inc.		
• St. John Ambulance First Aid & CPR	Dec 4-5, 2013	1.6
• St. John Ambulance WHMIS	Dec 4-5, 2013	0.3

Fred Pryor Seminars

<http://www.pryor.com/site/default.aspx>

Course Name		CEU
• Facilities Management		1.2

Global Training Center

<http://globaltrainingcentre.com/>

Course Name		CEU
• Global Ground Disturbance Level II		0.7

Great Plains College

Course Name		CEU
• Fall Protection	Sept 28, 2015	0.6
• Respect Group-Sheldon Kennedy & Wayne McNeil Group, Swift Current Campus	Dec 15, 2015 Jan 6, 2016	0.3

Hach Canada

<http://www.hach.com>

Course Name		CEU
• Introduction to Water & Disinfection & Turbidity	various	0.6
• Process Instrument Verification	various	0.6

Hayes Training & Development Group

<http://www.hayestdg.com/>

Course Name		CEU
• Woodland Trainer Association Chainsaw Level I, II or III		0.7

Haztech

<http://www.haztechsafety.com/>

Course Name		CEU
• Standard First Aid, includes CPR and AED	Red Cross	1.6

Heavy Construction Safety Association of Sask. Inc.

<http://www.hcsas.sk.ca/>

Course Name		CEU
• Transportation of Dangerous Goods		0.4
• Basic Hoisting and Rigging (includes International Hand Signals for Hoisting)		1.4
• Confined Space Rescue Level 1		0.4
• Confined Space Rescue Level 2		0.7
• Ground Disturbance Level 1		0.4
• Ground Disturbance Level 2		0.7
• Powered Mobile Equipment, various locations and trainers	TBA	0.7
• Construction Safety Training System (CSTS)		0.4
• WHMIS Train the Trainer	PARWU	0.3
• Safety Excellence Leadership	PARWU	0.9
• Principles of Health & Safety Management	PARWU	0.3
• Certified Auditor Classroom Training	PARWU	0.6
• Roadbuilders Safety Training System (Modules 1 through 9)		0.6

Hetek Solutions Inc.

<http://www.hetek.com/pages.php?page=Home>

Course Name		CEU
• Pro-Active Operations & Maintenance Practices		0.7
• What's In That Pipe? Sources and Characteristics For Wastewater Collection and Treatment		1.2
• Operation and Maintenance of Wastewater Pumping Lift Stations and Force Mains		0.6
• Physical Sciences for Water and Wastewater		0.7

Hydraulic Safety Authority of Canada Inc.

www.hsac.ca

Course Name		CEU
• Hydraulic Safety High Risk Management Level - Instructor Led		1.4
• Hydraulic Safety High Risk Management Level - E Learning		0.7

IM Safety Service

Course Name		CEU
• Confined Space	various	0.7

Indian and Northern Affairs Canada

<http://www.ainc-inac.gc.ca/index-eng.asp>

Course Name		CEU
• Protocol for Safe Drinking Water in First Nation Communities		0.7

Indiana State University

<http://www.indstate.edu/distance/>

Course Name		CEU
• Basic Supervision		5.0
• Basic Management		5.0

Ironclad Safety / Eagle Spirit Safety Co. Ltd.

Course Name		CEU
• WHMIS	various/online	0.2
• TDG	various/online	0.4
• Confined Space	various/online	0.4

J & T First AID Consulting Inc.

Course Name		CEU
• Red Cross Standard First AID CPR AED Recertification	various	0.8
• Red Cross Standard First AID CPR AED	various	1.6

KPS Medic Ltd.

Course Name		CEU
• Red Cross First AID Instructor Course	Sep 26-28,2014 Feb 10-11,2015	3.2 3.2

Levelton Consultants Ltd.

<http://www.levelton.com/>

Course Name		CEU
• Asbestos Awareness for Water/Wastewater Operators, Jim Bagley		0.6

Michigan State University

<http://www.msu.edu/>

Course Name		CEU
• Supervisory Management in the Water / Wastewater Field		6.0
• Maintenance Management in the Water / Wastewater Field		6.0

Ministry of Environment

<http://www.environment.gov.sk.ca/>

Course Name		CEU
• Water Microbiology Workshop, Saskatoon	Mar 25, 2011	0.6
• Environmental Compliance Auditing	Apr 12-14 2016	1.6

Ministry of Justice

Course Name		CEU
• Resolving Conflict Constructively, Saskatoon	Oct 4-6, 2016	1.9

Ministry of Parks, Culture & Sport – Safety & Training Unit

Course Name		CEU
• Level 1 Occupational Health Committee (OHC)	various	0.7
• Level 2 Occupational Health Committee (OHC)	various	0.7
• Supervision & Safety	various	0.7
• Fire Extinguisher Training	various	0.3

MSA Certified Training Program

Course Name		CEU
• Qualitative Respirator Fit Testing	Apr 10, 2013	0.2

Mueller Canada

Course Name		CEU
• Hydrant Training	May 31, 2016	0.5
• Service Line Applications & Tapping - Estevan & Saskatoon SWWA	Apr 25-26, 2017	0.6

NexLev Solutions

Course Name		CEU
• Business & Project Management Framework	various	1.3
• Project Management Professional Course	Mar 17-18,2015	1.3

North West Regional College

<http://www.nwrc.sk.ca/>

Course Name		CEU
• Fireman's Certificate Prep Course	various	6.0

NOVA - Online Training and Development

<http://www.nova-td.com/>

Course Name		CEU
• Basic Microbiological Concepts		0.6
• Cross Connection Control		0.6
• Disinfection of Watermains and Storage Facilities		0.6
• Groundwater Our Most Valuable Resource		0.7
• Monitoring and Sampling		0.5
• Water Quality Complaint Investigation		0.6
• CT Disinfection		0.3
• Water Quality Complaint Investigation		0.6
• Keeping Distribution Water Safe From Microbial Contamination		0.4
• Water System Security		0.3
• Source Protection Initiatives		0.4

Occupational Health and Safety

<http://www.lrws.gov.sk.ca/ohs-training-publications/>

Course Name		CEU
• Supervision and Safety		0.7
• OH&S Ready to Work, Energy Training Institute		0.2
• OH&S Safe Operation of Forklifts		1.2
• OH&S Powered Mobile Equipment, various dates and trainers	various	0.7
• Level 1 OHS Training		1.0
• Level 1 OHC Training	PARWU	1.0

Optimize Consulting

optimize.consulting@live.com

Course Name		CEU
• Water Distribution Class 1 – Optimize Consulting		1.1
• Wastewater Collection Class 1 – Optimize Consulting	June 21-24,2010	1.1
• Water Distribution Class 2 – Optimize Consulting		1.1
• Water Treatment Class 4 – Optimize Consulting	Jan 27-28, 2011	1.6
• Wastewater Treatment Class 4 – Optimize Consulting	Dec 6-9, 2010	3.2
• Wastewater Treatment Class 3 – Optimize Consulting	Nov 21-24, 2011	3.2
• Wastewater Collection Class 1-3 Optimize Consulting	Dec 13-15, 2011	1.2

Outback Renewal Candle Lake

Course Name		CEU
• Scissor Lift – Outback Renewal Candle Lake	Aug 7-8, 2014	1.2

Parkland College

<http://www.parklandcollege.sk.ca/>

Course Name		CEU
• First Aid / CPR 'A'		1.6
• WHMIS		0.4
• Confined Space		1.0
• H2S Alive		0.7
• Ground Disturbance		0.7
• Supervision & Safety		0.6
• Transportation of Dangerous Goods		0.4
• Occupational Health Committee Level 1		0.6
• PowerPoint		1.2
• Microsoft Excel Level 2		1.8
• Computer Basics		1.8
• Microsoft Excel Level 1		1.8
• Microsoft Word Level 1		1.8
• Microsoft Word 2010 Level 2		1.8
• Microsoft Word 2010 Core Skills		2.5
• Microsoft Excel Core Skills		2.5
• Fundamentals of Project Management (Project Mgmt Cert)		1.3
• Project Planning & Scheduling (Project Mgmt Cert)		1.3
• Cost & Procurement Management (Project Mgmt Cert)		1.3
• Project Management Practicum (Project Mgmt Cert)		1.3
• Project Quality Management (Project Mgmt Cert)		1.3
• Project Risk Management (Project Mgmt Cert)		1.3
• Human Resource & Communication Mgmt (Project Mgmt Cert)		1.3
• Class 1 Water Treatment		1.4
• Class 1 Water Distribution		1.4
• Math Refresher for Water Operators		0.7

Portage College

<http://www.portagecollege.ca/>

Course Name		CEU
• WWWO 101 Potable and Wastewater Systems Management (classroom)		2.5
• WWWO 101 Potable and Wastewater Systems Management (online)		1.8
• Air brakes		0
• Aerial Platform		0.3
• Confined Space (Entry and Monitor)		0.5
• Defensive Driving		0
• Fall Protection (OSSA approved)		0.6
• Fall Protection		0.6
• Standard First Aid / CPR C		1.2
• Emergency First Aid / CPR A		0.6
• Flag Person		0.3
• Forklift		0.3
• Ground Disturbance – Level 2		0.6
• H2S Alive		0.5
• Skid Steer – Operator		0.4
• TDG / WHMIS		0.6
• Construction Safety Training System (online)		0.6
• Construction Safety Training System – upgrade (online)		0.4
• Road Builders Safety Training System (online)		0.3
• TDG (online)		0.3
• WHMIS (online)		0.3

Potash Corporation of Saskatchewan

<http://www.potashcorp.com/>

Course Name		CEU
• Emergency First Aid – Lanigan	various	1.0
• Confined Space Training – Lanigan Mine Site		1.0
• Hydrogen Sulphide – Lanigan Mine Site	various	1.0

Prairie North Health Region

Course Name		CEU
• Asbestos Awareness & Glove-Bag Removal Process, Bersch & Associates) North Battleford	Jun 18-19,2014	0.9

Prince Albert Grand Council

Course Name		CEU
• Delco Water Biological Filtration	Nov 15, 2015	0.4
• Biological Membrane Systems - Successful Operation & Maintenance	Nov 15, 2015	0.3
• Improving Drinking Water in First Nation Communities	Nov 18, 2015	0.6
• Water Monitoring: Building and Strengthening Skills 2016(PAGC, Health Canada, Fill Hills Qu'Appelle Tribal Council)	May 4-5 2016 June 2016	1.0

Proactive

Course Name		CEU
• 40 hour Overhead Crane Competent Operator	various	3.5
• 8 hour Overhead Crane Competent Operator	various	0.7
• Aerial Work Platform Competent Operator	various	1.4
• Forklift Competent Operator	various	1.4
• Fall Protection	various	0.7
• Confined Space	various	0.7
• Skid Steer Competent Operator	various	1.4
• Fall Protection	July 6, 2015	0.6

Pulse Safety Services Ltd.

Course Name		CEU
• WHMIS & H2S		1.0

Regina Qu'Appelle Health Region

Course Name		CEU
• Swimming Pool Operator's Course	May 3-4 2015	1.2

Safe Drinking Water Team, Touchwood Agency Tribal Council, The Safe Water for Health Research Team (U of S)

Course Name		CEU
• Stream 1 (Technical Stream) of the Indigenous Water Forum – Drinking Water Treatment Process and Policies		0.5

Safety Services Manitoba

<http://safetyervicesmanitoba.ca/>

Course Name		CEU
• WHMIS – Flin Flon	Apr 25-29, 2011	0.3
• Fall Protection – Flin Flon	Apr 25-29, 2011	0.6
• Confined Space Refresher / Awareness – Flin Flon	Apr 25-29, 2011	0.6
• Respirator Fit Testing	Apr 25-29, 2011	N/A

SANC: Sask. Association of Norther Communities (New North Conference)

<http://www.newnorthsask.ca/>

Course Name		CEU
• Water/Landfill Workshop, La Ronge	Apr 10-11, 2002	1.2
• Drinking Water, Wastewater & Solid Waste, La Ronge	Apr 1-3, 2003	0.9
• Northern Communities Water Works Workshop: La Ronge	Apr 21-23, 2004	1.0
SANC: Northern Environmental Workshop: La Ronge	Apr 6-8, 2005	0.3
• Basic Math Workshop		0.3
• Jar Testing Workshop		0.3
• Basic Chemistry Workshop		0.3
SANC: Water Works Workshop, La Ronge	Apr 5-7, 2006	
• Principles & Practices of Dr. Water Chlorination		0.3
• Basic Safety for Operators		0.3
• Distribution System O & M, AWWA Webcast		0.3
SANC: Water Works Workshop, La Ronge	Apr 07-09, 2007	
• UV Disinfection (Calgon)		0.6
• Watermain Swabbing (ATAP)		0.6
• Basic Slow Sand Filters (MS Filter)		0.3
• Membrane Filtration (Puretech)		0.3
• Portable & On-line Instrument Calibration (ClearTech)		0.3
SANC: New North Water Workshop	Apr 18-19, 2008	
• Iron and Manganese Removal		0.6
• Lagoon Operations		0.6
• Chemical Pump Maintenance – Clear Tech		0.4
• Water & Wastewater Worker Safety - ATAP		0.4
SANC: Northern Water Conference	Apr 27-29, 2009	
• Principles & Practices of Chlorination / Chloramination, Cleartech		0.3
• From Sampling to Report - SRC		0.3
• Jar Testing, ATAP		0.7
• Distribution System Maintenance and Leak Detection, Al Turner		0.7
SANC: Northern Water Conference	Apr 14-16, 2010	
• Hypochlorination, ATAP		0.7
• Disinfection Alternatives, Metcon		0.7
• Filter and Instrumentation Optimization, ClearTech		0.3
• MOE Regulations and Operator Duties, SMOE		0.3
SANC: Northern Water Conference	Apr 18-20, 2011	
• MOE Regulations and Operator Duties, SMOE		0.3
• Greensand Filters – S, Dobrownny		0.3
• Lagoon Operation & Maintenance - ATAP		0.7
• Chemical Pump Maintenance & Calibration – ClearTech		0.4
• Chlorination, CLearTech		0.4
SANC: Northern Water Conference	Apr 17-19, 2013	
• Metering Pumps, APH		0.3
• Drinking Water: Basic Water Analysis (Randy Hanson)		0.4
• Wastewater Collection Maintenance (ATAP)		0.6
SANC: Northern Water Conference	April 2014	
• From Sampling to Report – SRC		0.3
• Standard Operating Procedures, Contingency Plans & Emergency Planning - ATAP		0.6

• Microbial Maintenance - Enviroway		0.3
SANC: Northern Water Conference	Apr 22-23, 2015	
2015 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.)		1.0
• Maintenance for Submersible Pumps and Station Automation Systems – Xylem		0.3
• Jar Testing – Delco Water (Kelly Franks)		0.3
• Potable Water Reservoir Design, Operation & Maintenance		0.6
SANC: New North Water Conference	Apr 27- 28, 2016	
2016 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.)		1.0
• Water & Wastewater Operator Math Course		0.3
• Water & Wastewater Operator Safety Course		0.3
• Water Disinfection Techniques		0.6
SANC: New North Water Conference	Apr 11-12, 2017	
2017 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.)		1.0
• Water Works & Sewage Works Permittee Responsibilities		0.3
• Control Systems Troubleshooting		0.4
• Responsibilities of Municipal Authorities for Water/Sewage Works		0.3

Saskatchewan Association of Rural Water Pipelines (SARWP)

<http://sarwp.sasktelwebhosting.com/>

Course Name		CEU
• On-Line Chlorine Analysers & Chlorination, Saskatoon	Dec 6, 2006	0.3
• Principles & Practices of Drinking Water Chlorination, Saskatoon	Dec 6, 2006	0.3
• Control Systems Trouble-shooting and Maintenance, Stantec	Dec 1, 2008	0.6
• Cross Control Connection	Dec 2009	0.6
• High Density Polyethylene (HDPE) Pipe Fusion	Dec 2010	0.6
• Distribution System Maintenance – S. Dobrowny	Dec 2011	0.6

Safety Association of Saskatchewan Manufacturers (SASM)

<http://sasm.ca>

Course Name		CEU
• Job Hazard Analysis		0.5
• Safety Essentials for Supervisors, BPWTP	various	1.2

Saskatchewan Construction Safety Association (SCSA)

<http://www.scsaonline.ca/>

Course Name		CEU
• Frame Scaffolding Awareness Training		0.6
• WHMIS	various	0.3
• Safety Construction Orientation Training (SCOT – SCSA)	online	0.4

Saskatchewan Ministry of Government Relations

<http://www.gr.gov.sk.ca/SaskEMO>

Course Name		CEU
• Basic Emergency Management - Melfort	2 days	1.2
• Emergency Operations Centre - Melfort	2 days	1.6

Saskatchewan Onsite Wastewater Management Association

Course Name		CEU
• Onsite Wastewater System Education Days	Apr 4, 2017	0.5

Saskatchewan Polytechnic (Formerly SIAST)

<http://www.saskpolytech.ca/>

SIAST Water / Wastewater Technician Program, effective Sept/06		
Course Name		CEU
• Water Treatment 1	WTER 130	8.0
• Water Treatment 2	WTER 131	8.0
• Water Distribution 1	WTER 132	4.5
• Water Distribution 2	WTER 133	4.5
• Wastewater Collection 1	WTER 134	6.0
• Wastewater Collection 2	WTER 135	6.0
• Wastewater Treatment 1	WTER 136	8.0
• Wastewater Treatment 2	WTER 137	8.0
• Water/Wastewater Laboratory 1	LABS 121	4.5
• Water/Wastewater Laboratory 2	LABS 122	4.5
• Business Communications 1	BCOM 120	4.8
• Business Communications 2	BCOM 121	6.4
• Graphical Communications 1	GRPH 123	3.0
• Graphical Communications 2	GRPH 124	4.5
• Technical Mathematics	MAT 124	4.5
• Basic Computer Operation	COMP 170	1.5
• Intro. To Microsoft Word	COMP 171	1.5
• Introduction to MS Excel 1	COMP 174	1.5
• Introduction to MS Excel 2	COMP 175	1.5
• Introduction to Microsoft Access 1	COMP 176	1.5

SIAST Water & Wastewater Operator Training		
• Small Systems Water (3 days)		1.8
• Class 1 Water Treatment / Distribution Upgrade (3 days)		1.3
• Class 1 Water Treatment / Distribution (5 days)		2.7
• Class 2 Water Treatment / Distribution (3 days)		1.3
• Class 3/4 Water Treatment / Distribution (4 days)		1.8
• Small Systems Wastewater (3 days)		1.8
• Class 1 Wastewater Treatment / Collection Upgrade (3 days)		1.3
• Class 1 Wastewater Treatment / Collection (5 days)		2.7
• Class 2 Wastewater Treatment / Collection (4 days)		1.8
• Centrifugal Pumps		0.6
• Chemical Feed Pumps		0.6
• Cross Connection Control Awareness		0.6
• Distribution System Maintenance		0.6
• Gas Chlorine Systems		1.5
• Hydraulics for Operators		0.6
• Hypochlorination		0.6
• Lagoon Operation & Maintenance		0.6
• Power Engineering / Limited Fireman (ENGP 1800)		4.1
• Surface Water Treatment		1.2
• Water Analysis		0.6
• Small Seasonal Drinking Water Systems (Correspondence Course)		1.0
• Parks Management Pesticide Applicator (Pest 179)		1.5
• Ground Disturbance - various & online	SFTY 1818	0.6
• WHMIS 2015 - online	SFTY 1817	0.4
• Respiratory / Fit Testing Awareness - various & online	SFTY 1809	0.4
• Incident Investigations - various & online	SFTY1810	0.6
• Compressed Gas / Cylinder Awareness - various & online	SFTY 1811	0.4
• Confined Space Awareness - various & online	SFTY 1814	0.6
• Fall Protection - various	SFTY 1813	0.6

*Contact Sask Polytechnic at 306-694-3227 for further details

Saskatchewan Public Works Association (SPWA)

<http://saskatchewan.cpwa.net/>

Course Name		CEU
SPWA Conference February 26-28, 2008		
• Equipment Operator Training Workshop (WD and WWC only)		0.3
• Succession Planning, Documenting Standard Operating Procedure		0.1
• Climate Change – Corman Park Project		0.1
• InsituForm, Pipe Lining for Water and Sewer Pipes		0.1
• PSAB - Public Sector Accounting Board		0.1
• Sewer Use Policy / Bylaws		0.1
• Water and Wastewater Asset Management		0.1
2009 Conference February 24 - 27, 2009 Saskatoon, SK		
• Langenburg Reverse Osmosis Plant		0.1
• Building a Workplace Safety Culture		0.3
• Equipment Demonstration - City of Saskatoon		0.2

• Challenges Facing Public Works		0.1
• Safe Trenching/Confined Space Presentation		0.3
2010 Conference February 24 - 25, 2010 Regina, SK		
• Examining TEAM		0.075
• Putting TEAM in Safety		0.075
• Moose Jaw WWTP		0.075
• Saskatoon Water System		0.075
• PSAB/Asset Management and Water System Assessments in Northern Saskatchewan		0.075
• Harbour Landing Pumping Station		0.075
2011 Conference February 24 - 25, 2011 Regina, SK		
• Less Trench Alternative to Watermain Replacement		0.3
• The ABC's of Fire and Extinguishing		0.3
• Team Dynamics		0.2
2011 SPWA Workshops		
• Hydrant & Valve – Operation and Maintenance Workshop		0.7
• CPWA Public Works Safety Workshop	Feb 25, 2011	0.3
2016 SPWA Conference February 23 - 25, 2016		
Full Conference attendance (includes workshop & attendance to 4 of the 8 technical sessions)		1.0
• ATAP – Filter Surveillance & Optimization	Feb 25, 2016	0.6
• Public Works Safe		0.6

Saskatchewan Safety Council

Course Name		CEU
• Powered Mobile Equipment Operator	various	1.3
• Saskatchewan Safety Council Industrial Safety Seminar	various	1.1
• Ground Disturbance Level 2		0.8

Saskatchewan Urban Municipalities Association (SUMA)

Course Name		CEU
• Strategic & Financial Planning for Municipalities SUMA Convention	Jan 1, 2015	0.5

Saskatchewan Water & Wastewater Association (SWWA)

<http://www.swwa.ca/pages/index.php>

SWWA Annual Conference, Saskatoon, November 1, 2000		CEU
• Confined Spaces		0.3
• Chemical Solution Feeders		0.6
• Pump O & M		0.3
• Aquifer Protection		0.3
SWWA Workshops, 2001		
• Pumps & Wells, IWS, Yorkton,	Feb 7, 2001	0.5
• Filter Surveillance, AWI, Melfort	Apr 24-25, 2001	1.4
• Iron & Manganese Removal, Moose Jaw	Sept 12, 2001	0.6

SWWA Annual Conference, November, 2001		
• OH&S Supervision	Nov 1, 2001	0.3
• Aquifer Protection and Management	Nov 1, 2001	0.3
• Principles of Chlorination	Nov 1, 2001	0.3
• Control of BioFouling BOD, BARTS and Well Rehabilitation	Nov 1, 2001	0.3
• Safe Trenching	Nov 1, 2001	0.3
• Filter Monitoring and Optimization	Nov 1, 2001	0.3
SWWA Workshops, 2002		
• Mathematics, Prince Albert	Jan 16, 2002	0.5
• Mathematics, Fort Qu'Appelle	Jan 17, 2002	0.5
Sewage Pumps, ITT		
• Kindersley	Mar 11-12, 2002	1.4
• Prince Albert	Mar 14-15, 2002	1.4
Basic Municipal Operations		
• Melfort	Mar 18-19, 2002	1.4
• Swift Current	Mar 21-22, 2002	1.4
Filtration Workshop, AWI		
• Estevan	Apr 15-16, 2002	1.2
• Saskatoon	Apr 18-19, 2002	1.2
SWWA Annual Conference, Saskatoon, November 20, 2002		
• Confined Space Entry		0.3
• Mechanical Water Meter O & M		0.3
• SCADA for Dummies		0.3
• Vacuum Excavation		0.3
SWWA Workshops, 2003		
• Confined Spaces, Melville	Jan 21-22, 2003	1.6
• Organics Control, North Battleford	Mar 12, 2003	0.8
• Lagoon Maintenance, Wynyard	Apr 23, 2003	0.5
• Valve & Hydrant O & M, Mueller, Humboldt	Apr 30, 2003	0.5
• Water Regulations, Sask. Environment, Watrous	June 6, 2003	0.5
SWWA Annual Conference, Saskatoon, November 2003		
• Math for Operators, Kelly Franks, ClearTech		0.3
• WWT – Basics to Advanced, Doug Moisuk, Regina		0.3
• Calibrating Test Equipment, Andre Lemoine, Hach		0.3
• Filtration Systems – Then & Now, Dave Clark Consulting Inc		0.3
• AWWA Teleconference: Utility Case Studies	Nov 6, 2003	0.3
SWWA Workshops, 2004		
• Math for Operators, Sask. Environment: Meadow Lake	Jan 14, 2004	0.3
Water Quality Emergency Planning, Sask. Environment-		
• Melfort	Jan 28, 2004	0.3
• Weyburn	Feb 4, 2004	0.3
• Lagoon O & M, Sask. Environment: Swift Current	March 2004	0.3
Calibrating Electronic Test Equipment, Clear Tech		
• Indian Head	May 3, 2004	0.3
• Shaunavon	May 6, 2004	0.3
• Tisdale	May 11, 2004	0.3
• North Battleford	May 13, 2004	0.3
• Water/Wastewater Inspection Program, Environment, Kipling	June 11, 2004	0.3
SWWA Annual Conference, Saskatoon, November 3, 2004		
• Water Meter Workshop, Spartan Controls		0.3
• Water Distribution Maintenance, Turner Consulting		0.3

• Organics in Surface Water, Buffalo Pound		0.6
• AWWA Teleconference: "Sustainability"		0.3
SWWA Workshops, 2005		
Chemical Solution Feed Pumps O & M, ClearTech		
• Kindersley	Mar 16, 2005	0.3
• Moosomin	Mar 23, 2005	0.3
• Waterworks Systems Assessment, Environment: Assiniboia	June 3, 2005	0.5
• Confined Space Entry, Kin-Kerr Services Ltd.: Saskatoon	Sept 28, 2005	0.6
SWWA Annual Conference, Saskatoon, November 2, 2005		
• Media & Public Relations, Sask. Watershed Authority (SWA)		0.3
• Programmable Logic Controllers, Delco Automation		0.3
• Well O & M, PFRA, SWA, Grundfos Pumps		0.3
• Filter Maintenance, Anthratech Western		0.3
• AWWA Teleconference, "Shrinking Workforce"		0.3
SWWA Workshops, 2006		
Jar Testing		
• North Battleford,	Jan 23, 2006	0.5
• Herbert	Jan 26, 2006	0.5
Reservoir Maintenance		
• Tisdale	Feb 14, 2006	0.6
• Weyburn	Feb 21, 2006	0.6
Distribution System O&M, AWWA Teleconference replay		
• Prince Albert	Mar 21, 2006	0.3
• Melville	Mar 29, 2006	0.3
• UV Disinfection: Biggar	June 2, 2006	0.6
SWWA Annual Conference, Saskatoon, November 1, 2006		
• Lift Station Pump Design		0.6
• Maintaining the Performance of RO Systems		0.3
• Principles of Chlorination		0.3
• Watermain Distribution Maintenance, Keith Mayo, ATAP		0.3
• Federal/Provincial Regulatory Framework		0.3
• AWWA Teleconference – Fire Hydrants – O & M		0.3
SWWA Workshops, 2007		
• Jar Testing, Kipling	Jan 17, 2007	0.5
• Distribution System Repair, Rehab. & Replacement; AWWA Video Conference Shaunavon	Jan 24, 2007	0.3
• Iron & Manganese Removal, Marcelin AWI	Feb 6, 2007	0.5
• Membrane Filtration, Manitou Beach; Associated	Feb 28, 2007	0.5
• Math for Operators, Yorkton, MR2 / ClearTech	Apr 18, 2007	0.5
• Lagoon Operation & Maintenance; Nelson Env. Inc: Martensville	Apr 25, 2007	0.5
• Sampling Techniques & Equipment Calibration; Hach Canada Moose Jaw	April 27, 2007	0.5
• Leak Detection & Audit, Al Turner Consulting, Weyburn / Melville	May 7-9, 2007	0.5
• Emergency Planning for Water & Wastewater, Nipawin	June 7, 2007	0.6
SWWA Annual Conference, November 7-8, 2007		
• Water Efficiency from Planning to Implementation		0.3
• The Safe Handling of Chlorine Gas		0.3
• Small Waterworks Disinfection Contact Time		0.3
• Management of Ground Water Sources		0.3
• Watermain Swabbing		0.3
• From Water Sampling to Report		0.3

SWWA Workshops, 2008		
• Lagoon Operation and Maintenance	Mar 4,5,18, 2008	0.6
• Water Conservation	Mar 27, 2008	0.6
• Math for Operators	Mar 5, 6, 2008	0.5
• Leak Detection & Audit, Al Turner Consulting Ltd.	May 6 & 8, 2008	0.5
	June 4, 2008	0.5
• Valve & Hydrant – Mueller	Apr 29, 2008	0.7
	May 1, 2008	0.7
• Filter Operation & Maintenance	Apr 30, 2008	0.6
	May 14, 2008	0.6
SWWA Annual Conference, November 5-6, 2008		
• Mechanical Pipe Restraint Design		0.3
• Seals Are Not Just Furry Animals		0.3
• Solar Hot Water Heating in Saskatchewan		0.3
• It's Only Iron and Manganese – It Can be Treated		0.3
• Do You Have a Pandemic Plan?		0.3
• Working in Confined Spaces		0.3
SWWA Workshops, 2009		
• Jar Testing, Prince Albert	Feb 10,11, 2009	0.7
• Jar Testing, Assiniboia	Feb 20, 2009	0.7
• Valves, Meters & Piping Attachments – Mueller	May 6, 7, 2009	0.6
Cylinder Mount Chlorinator Operation and Maintenance		
• Melville	Mar 31, 2009	0.6
• Watrous	Apr 7, 2009	0.6
Lagoon Operation and Maintenance		
• Rosetown	Mar 25, 2009	0.6
• Langenburg	Apr 23, 2009	0.6
• Aging Infrastructure, Prince Albert (Golf Tourney)	June 5, 2009	0.5
• Lift Station Operation & Maintenance, Saskatoon	Apr 29, 2009	0.5
SWWA Annual Conference, November 4-6, 2009		
• Hydrant Operation & Maintenance		0.3
• True Grit – The Workshop		0.3
• Exactly What is Free Chlorine?		0.3
• Building Procedures with the SOP Toolkit		0.3
• High Density Polyethylene (HDPE) Pipe Fusion		0.3
• Asset Management		0.3
SWWA Workshops, 2010		
• Chemical Solution Feed Pumps Workshop will be in Unity		0.3
Hydrant Operation and Maintenance		
• Yorkton	May 4, 2010	0.7
• North Battleford	May 6, 2010	0.7
Valves, Meters and Piping Attachments		
• Humboldt	Apr 6, 2010	0.6
• Moose Jaw	Apr 7, 2010	0.6
• High Density Polyethylene (HDPE) Pipe Fusion, Theory & Practical	Feb 24, 2010	0.7
• Extended – Saskatoon		0.8
• Building Procedures with the SOP Tool Kit	Apr 14, 2010	0.6
• Fire Hydrant and Valve Maintenance / Repair CLOW Canada Weyburn	June 16, 2010	0.6
• Drinking Water Reservoir – Design, Operation and Maintenance, Saskatoon	May 19, 2010	0.5
Municipal Wastewater Piping System Maintenance		

• Outlook	May 11, 2010	0.4
• Weyburn	May 12, 2010	0.4
• Groundwater Issues in Saskatchewan, Swift Current	June 4, 2010	0.5
SWWA Annual Conference, November 3-4, 2010		
• Couplings, Service Saddles, Tapping Sleeves and Repair Clamps, Saskatoon, SK	Nov 4, 2010	0.3
• SCADA Solutions Enhance Productivity of Water Utilities	Nov 3, 2010	0.3
• Fundamentals of Calibration and Certification of On Line and Lab Instruments in Water & Wastewater	Nov 4, 2010	0.3
• Regulations, Permits to Operate & Operator Certification, Saskatoon SK - SMOE	Nov 4, 2010	0.3
• Industrial Electrical Safety for Non-Electrical Workers	Nov 3, 2010	0.3
• Blowers, Air Compressors and Air Dryers	Nov 4, 2010	0.3
SWWA Workshops, 2011		
• Basic Science – AC Pipes Water Distribution Systems –Yorkton	Mar 29, 2011	0.6
• Maintenance of Valves – Watrous	Apr 12, 2011	0.6
• Solar Mount – Chlorine Safety - Wakaw	Apr 13, 2011	0.6
• Cross Connection Control – Saskatoon	Apr 29, 2011	0.6
• Lift Station Operation & Maintenance – Saskatoon	May 9, 2011	0.6
Valves, Meters & Piping Attachments		
• Wynyard	May 10, 2011	0.6
• Estevan	May 11, 2011	0.6
• Disinfection and Chemical Pump, NB Grand Council	May 12&13, 2011	1.2
• Intro to GPS – SWWA Golf Tournament – Yorkton, Cansel	June 2, 2011	0.6
• Sampling Techniques & Analysis SWWA Golf Tourney Yorkton	June 2, 2011	0.6
SWWA Annual Conference, November 16-18, 2011		
• Trenchless Technology – City of Edmonton		0.3
• Introduction to Invasive Species		0.3
• Conventional Treatment – Enviro Way		0.3
• Source Water Protection in Canada		0.3
• Optimizing Nutrient Removal Through Instrumentation		0.3
• Drinking Water Management Systems		0.3
• Pump Course – Anthony Cherwenuk		0.6
• Take Control – Neptune Technology Group		0.3
• Control Systems, PLC's and SCADA		0.6
SWWA Workshops, 2012		
• Supervisory Training for the Water and Wastewater Industry		0.3
• Chlorine Safety and Handling Seminar, ClearTech		0.6
• RO Course, T. Helmink, M. Nelson		0.6
SWWA Annual Conference, November 7-9, 2012		
• WS-1 Water Loss Reduction through Pressure Management	Singer Valve	0.3
• WS-2 Unidirectional Flushing	AquiData	0.3
• WS-3 Safety at the Workplace	WCB	0.3
• WS-4 Pump Maintenance	Xylem	0.3
• WS-5 Water Meter Management – Neptune Tech.	Bruce Keachie	0.3
• WS-6 Well Inspection, Operation & Maintenance, SWA	Nolan Shaheen	0.3
• WS-7 Walkerton Now - Bruce Davidson		0.2
SWWA Workshops 2013		
• Sask Water Security Agency – 25 Yr Plan	May 31, 2013	0.3
• Standard Operating Procedures – Dawn Dierker	May 31, 2013	0.6
• OH&S Workplace Responsibility System & Info Sessions		

Kim Meyer	May 31, 2013	0.3
SWWA Annual Conference, November 6-8, 2013		
• WS-1 Pump Efficiency – Testing & Analysis	AE	0.3
• WS-2 Advances in Headworks Technologies	Stantec	0.3
• WS-3 Development of Operation Maintenance Manuals & SOPs	ATAP	0.3
• WS-4 RO/NF Membrane	Avista	0.3
• WS-5 Flownet Meter Reading Technology	Corix	0.3
• WS-6 Do Disinfection By-Products in Drinking Water Cause Cancer in Humans	Hrudey	0.3
• WS-7 Effective Negotiation Skills	McDougall	0.2
SWWA Workshops 2014		
• Metering Pumps, Anderson Pump House	Mar 26, 2014	0.3
• Maintenance & Troubleshooting for Sewage Pump Stations	Mar 26, 2014	0.3
• Flushing out the Mysteries of Wastewater Treatment (Dierker)	May 29, 2014	0.6
• Membrane Treatment Seminar	May 29, 2014	0.6
SWWA Annual Conference, November 5-7, 2014		
2014 SWWA Conference CEU (an operator may only receive either individual workshop certificates or the overall conference certificate, not a combination of both)	Nov 5-7, 2014	1.2
• Disinfection By-Products (Hooge)	Nov 2014	0.3
• What to Expect in State of Emergencies	Nov 2014	0.3
• Process Control and SCADA Fundamentals	Nov 2014	0.3
• Removing Iron & Manganese The Process – The Media – The Maintenance	Nov 2014	0.3
• Infrastructure Asset Management	Nov 2014	0.3
• The Changing World of Emergency Planning	Nov 2014	0.2
• Using Data Effectively on Report Graphing Benchmarking & Statistical Process Control w/Plant Operations Scott Dorner Hach	Nov 2014	0.3
SWWA Workshops, 2015		
• Hydrant Operation and Maintenance – Don Webb Mueller		0.6
• Control Systems, PLC's and SCADA; Bob Baumgartner SaskWater		0.6
• Chlorine Safety and Handling Seminar; Cleartec		0.6
• Sampling Techniques & Analysis; Dawn Dierker		0.6
SWWA Annual Conference, November 4-6, 2015		
2015 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both)	Nov 4-6, 2015	1.2
• Distribution Operation Maintenance	Nov 2015	0.3
• Building & Maintaining a Resilient Smart Grid Systems, Meters, Maintenance & Technology	Nov 2015	0.3
• Lagoons	Nov 2015	0.3
• Proper Hydrant Inspection	Nov 2015	0.3
• Nutrient Removal: What this Means for Your Community Under New Regulations	Nov 2015	0.3
• Remote Monitoring and Reduced Visits	Nov 2015	0.3
• 7.5 Things That We Can Do to Save Lives and Bring Value to an Organization	Nov 2015	0.3

SWWA Annual Conference, November 2-4, 2016		
2016 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both)	Nov 2-4 2016	1.2
• The Power of Building and Operating a Resilient Smart Grid System: Meters, Maintenance & Analytics	Nov 2016	0.3
• Cold Climate Nitrification, Removing Ammonia from Frigid Lagoons	Nov 2016	0.3
• Small Wastewater Systems	Nov 2016	0.3
• Cold Climate Lagoons – Removing Ammonia, Phosphorous & Nitrogen	Nov 2016	0.3
• CIPP Pressure Pipe Seminar	Nov 2016	0.3
• Treated Water – to the distribution system & beyond	Nov 2016	0.3
• Working Together From Start to	Nov 2016	0.3
• Unidirectional Flushing	Nov 2016	0.3
SWWA Workshops, 2017		
• Are You Prepared? Emergency Response Planning, Certification & WSA Updates – Saskatoon – A. Raghu & K. Neuert, WSA	Mar 22, 2017	0.6
• Asset Management - Saskatoon	Mar 9, 2017	0.6
• Service Line Applications & Tapping – Estevan & Saskatoon – D. Webb - Mueller	Apr 25-26, 2017	0.6
• Water Meters, Valves and Pipe Repair and Protection – North Battleford & Swift Current – A. McGregor – Neptune Technologies	Mar 27-28, 2017	0.6
SWWA Annual Conference, November 1-2, 2017		
2017 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both)	Nov 1-2, 2017	1.2
• Asset Management	Nov 1, 2017	0.3
• Positive Displacement and Centrifugal Pumps (WS2)	Nov 1, 2017	0.3
• Determining the Right Automated Reading System	Nov 1, 2017	0.3
• Water Supply Crisis-How we treated water from 4 different sources in 10 days to keep the taps running	Nov 2, 2017	0.3
• Applications and Case Studies of Membrane Systems for Water Treatment	Nov 2, 2017	0.3
• Nothing is Out of Reach: Advanced Metering Reading	Nov 2, 2017	0.3
• Walkerton Now	Nov 2, 2017	0.3
• Courage Inside Fire, Darby Allen's Story of Trust, Teamwork and Leadership	Nov 2, 2017	0.1

SaskEnergy Training Institute

<http://www.southeastcollege.org/>

Course Name		CEU
• PME – Forklift, Assiniboia	Nov 21, 2012	0.7

SaskPower Corp.

<http://www.saskpower.com/>

Course Name		CEU
• Confined Space Entry & Basic Rescue, Refresher Course	Mar 13, 2007	0.7

SaskWater Corp.

<http://www.saskwater.com/>

Course Name		CEU
• Industrial Electrical Safety for Non-Electrical Workers – Magna Electric Corp	Feb 25, 2010 Feb 18, 2011	0.6
• Chlorine Analyzers Troubleshooting – Metcon	Apr 14&15, 2011	0.7

Shermco Industries Canada Inc.

Course Name		CEU
• Electrical Safety for Non-Electrical Workers	various	0.6
• Arc Flash Protection & Electrical Systems Safety: Qualified Electrical Worker Training	various	1.4

Southeast Energy Training Institute

<http://www.southeastcollege.org/programs/seti.htm>

Course Name		CEU
• H2S Alive - Enform		0.6
• Confined Space		0.6
• Fall Arrest		0.4

St. John Ambulance Saskatchewan Council

<http://www.sja.ca/saskatchewan/Pages/default.aspx>

Course Name		CEU
Occupational Health and Safety (OH&S) Courses		
• Standard First Aid (includes CPR-A and AED)		1.6
• Standard First Aid with a CPR-B		1.7
• Standard First Aid with a CPR-C		1.8
• Medical First Responder I (also run as Intermediate First Aid in the mines)		4.0
• Medical First Responder II (Equivalent to OHS B certificate)		8.0
• Emergency Medical Responder		9.6
• Standard First Aid/CPR Recertification	Red Cross	0.8
Other Courses		
• Emergency First Aid		0.8
• CPR A		0.4
• CPR B		0.5
• CPR C		0.6

Tagwood Enterprizes Ltd.

Course Name		CEU
• Mobile Equipment Training	May 22, 2015	0.7

The PM Connection

www.thepmconnection.com

Course Name		CEU
• Project Management Training Exam Prep Class		2.3

Trans Industrial Safety Training

<http://www.transindustrial.ca/>

Course Name		CEU
• Confined Space Training		0.8

Trans-Care Rescue Ltd.

306-283-4496

Course Name		CEU
• Confined Space Entry – Awareness Level		0.6
• Basic Fire Fighting Techniques	June 27,28, 2015	1.4

Trihedral Engineering Ltd.

<http://www.trihedral.com/>

Course Name		CEU
• Making Best Operational Use of SCADA HMI Software		0.4

Trinity Safety & Training

<http://www.trinitysafety.ca/>

Course Name		CEU
• Confined Space Awareness and Entry Training		0.7
• Workplace Hazardous Material Information System (WHMIS)		0.3
• H2S Alive		0.7
• Transportation of Dangerous Goods (TGD) Training		0.3
• Standard First Aid/CPR Training		1.4
• Fire Safety – Extinguisher Training Program		0.3
• Ground Disturbance Level II		0.7
• Worker Fall Protection Training		0.7
• Powered Mobile Equipment		0.7

Vamp Oilfield Services Inc.

<http://vampoilfieldservices.ca/>

Course Name		CEU
• Confined Space Awareness	various	0.6
• Red Cross Standard First Aid	various	1.6
• Respiratory Protection Awareness	various	0.7
• Fall Protection Awareness	various	0.7

Victory Safety and Training

<http://victorysafety.ca/>

Course Name		CEU
• WHMIS	various	0.3
• Confined Space Entry	various	0.6
• Ground Disturbance	various	0.6
• Transportation of Dangerous Goods (TDG)	various	0.3
• Fall Protection	various	0.6

Water Environment Federation

<http://www.wef.org/>

Course Name		CEU
• Fat, Oil and Grease (FOG) Management Workshop	Mar 8, 2010	0.7

WesTech Engineering

<http://www.westech-inc.com/>

Course Name		CEU
• Ultrafiltration System Training		1.0

Western Canada Water (WCW)

<http://www.wcwwa.ca/>

Course Name		CEU
WCWWA Annual Conference		
Pre-Conference Workshops, Saskatoon	Oct 16, 2005	
• Filter Surveillance, AWI (Operations)		0.7
• Combined Sewer/Storm Sewer Overflows (Technical)		0.6
• Micro-Biology (Technical)		0.6
WCWWA – AWWA Section / SIAST		
• Cross Connection Control Specialist	Feb 18, 2005	3.5
• Cross Connection Control – Recertification	March 2005	1.0
Western Canada Section AWWA: SIAST / Kelsey Campus / Other		

• Cross Connection Control Specialist		2.8
• Cross Connection Control Awareness		0.6
• Challenges in Monitoring Water Quality in the Distribution System, Edmonton, AB	Oct 23, 2007	0.5
• Coagulation & Flocculation Theory / High Rate Clarification Techniques, Winnipeg, MB	Sept 24, 2006	0.6
WCWWA Workshops, 2008		
• Source Water Protection Specialty, Edmonton AB	Oct. 15,16, '08	1.2
• Source Control – Best Practices, Edmonton, AB	Nov. 19, 2008	0.5
• Micro- & Ultra-Filtration Membrane Tech	TBA	1.5
• Disinfection: Know Your Enemy and Your Weapons, Calgary	Feb. 5, 2008	0.5
WCWWA Annual Conference September 23, 2008, Regina, SK		
• Planning for the Pandemic		0.3
• Asset Management – A Prerequisite for Infrastructure Stability		0.3
• Cross Connection Control		0.3
• Emerging Contaminants – Issues for Water Supply & Treatment		0.3
WCWWA Workshops, 2009		
• Small System Nutrient Removal, Winnipeg MB	Jan 15,16,2009	1.0
• Odour control in Wastewater Systems, Red Deer Lodge	Jan 28, 2009	0.5
WCW Annual Conference, Winnipeg, MB, September 2009		
• Where Has All Our Water Gone, Al Turner Consulting		0.3
• Understanding Contaminants of Emerging Concern		0.3
• Greenhouse Gases and Carbon Footprinting		0.3
• Utility Management Workshop		0.6
• Assessing & Addressing Challenging Hydraulic Issue in Wastewater		0.3
• The Future Art of Stormwater		0.5
WCWWA Workshops, 2010		
• Membrane Technologies for Water Treatment, Saskatoon	Jan 26, 2010	0.5
• Wastewater Pumping Station and Force-main Systems Design, Operation and Maintenance, Winnipeg, MB	Jan 21 & 22, 2010	1.2
WCW Conference Calgary, AB, September 21 – 24, 2010		
• Small System Nutrient Removal – Saskatoon	Apr 15&16, 2010	1.2
• Membrane Technologies for Water & Wastewater Treatment		0.6
• On-Site Hypochlorite Generation as a Chemical Disinfection Alternative – Red Deer Lodge, Red Deer, AB	June 8, 2010	0.6
• Tertiary Filtration Workshop		0.3
• SCADA Fundamentals		0.3
• River Health (Wastewater Effluent – Bow River)		0.3
• Regional Water Systems – Design and Operation Basics		0.3
• Linking Investment to Service Levels – Application of Asset Management Planning		0.3
• Watershed and Stormwater Management		0.3
• Cross Connection Control Trough Awareness & Backflow Prevention Workshop		0.3
• Project Management for Young Professionals		0.3
WCW Workshops, 2011		
• Source Control – Best Practices, Saskatoon	Jan 25, 2011	0.6
• Problem Solving Water & Wastewater Infrastructures – Edmonton	Apr 19, 2011	0.5
• Disinfection By-Products, Saskatoon	May 18, 2011	0.6

• AWWA Web Workshop – Pump Operations and Maintenance	various	0.4
WCW Conference Workshops, 2011		
• W1 – Asset Management Workshop	Sep 21-23, 2011	0.3
• W2 – Reservoir Water Quality Management	Sep 21-23, 2011	0.3
• W3 – Source Water Protection	Sep 21-23, 2011	0.3
• W4 – Project Management	Sep 21-23, 2011	0.3
• W5 - Watermain Relining	Sep 21-23, 2011	0.3
• W6 – Contract Law for Engineers	Sep 21-23, 2011	0.3
• Laboratory Analysis and Compliance Monitoring, Red Deer, AB	Nov. 8, 2011	0.5
• Issues/Trends in Industrial Wastewater Treatment, Without Tour		0.8
• With Tour – Winnipeg, MB	Feb. 7-8, 2012	1.0
WCW Workshops, 2012		
• Disinfection Workshop		0.6
• Well Maintenance Workshop – Regina	June 19, 2012	0.6
• Municipal Water Reuse – Challenges and Opportunity		0.6
WCW Conference Workshops, 2012		
• Water Conservation Guidelines, J. Fisher & A. Turner	Sep 19-21, 2012	0.3
• Water Reuse in Western Canada, E. Murphy, CH2M Hill	Sep 19-21, 2012	0.3
• Leadership in Project Management, T. Carson & Associates Ltd.	Sep 19-21, 2012	0.3
• Conventional Water Treatment, E. Murphy, CH2M Hill	Sep 19-21, 2012	0.3
• Introduction to Social Media, R. Miranda, Digital Relay Inc.	Sep 19-21, 2012	0.3
WCW Workshops, 2013		
• Membrane Theory & Maintenance, Saskatoon	Jan17, 2013	0.6
• Effective Operations of Water & Wastewater Systems, Regina	Mar 6, 2013	0.4
• Water Treatment Disinfection Workshop, Saskatoon	Oct 2, 2013	0.6
• Asset Management & Alternative Project Delivery for Water & Wastewater Systems	Nov 2013	0.6
WCW Conference Workshops, 2013		
• Leadership Concerns Workshop (LeLacheur)	Sep 2013	0.3
• Drinking Water Safety Plan Information Session (Beier)	Sep 2013	0.3
• Biosolids Management: Understanding Requirements and Options (Mumby)	Sep 2013	0.3
• Green Building: Clear Savings Potential (Hawkesworth)	Sep 2013	0.3
• Managing Greenhouse Gas In Wastewater Treatment Plants(Yan)	Sep 2013	0.3
• Source Control Strategies That Work (Johnston, Hunter)	Sep 2013	0.3
WCW Workshops, 2014		
• Municipal Wastewater: Basics, Treatment, Regulations & Case Studies	May 2014	0.6
• Surface Water Treatment Workshop	Feb 2014	0.6
• Small System Nutrient Removal Seminar	Sep. 9/14	0.7
• Surface Water Quality and Watershed Protection	Nov 2014	0.5
WCW Conference Workshops, 2014		
• Disinfection of Drinking Water	Sept 2014	0.7
• Biological Nutrient Removal (BNR)	Sept 2014	0.3
• Municipal Wastewater-Federal Regulations and Toxicity Testing	Sept 2014	0.3
• Building a Robust Capital Investment Plan	Sept 2014	0.3
WCW Workshops, 2015		
• Asset Management Workshop	Mar 2015	0.7
• Sewage Lagoon Treatment for Wastewater	May 14, 2015	0.5
WCW Conference Workshops, 2016		
	Oct 4, 2016	

• Process Modeling Techniques for Optimizing Wastewater Treatment Plant Performance	Oct 4, 2016	0.6
• Increasing Communication and Collaboration Effectiveness: Bridging the Gap Between Engineers and Operators	Oct 4, 2016	0.3
• Small Water/Wastewater Treatment Systems – Design and Operational Challenges	Oct 4, 2016	0.3
• Variable Speed Pumping: Better than Constant Speed Pumping?	Oct 4, 2016	0.3
• Nutrient Recovery – Productive Solution of a Common Problem	Oct 4, 2016	0.3
• Chemical Feed – Practical Applications	Oct 4, 2016	0.3
• W1 - Where Has All Our Water Gone? Part 2	Sept 15-18 2015	0.3
• W2 - Biosolids	Sept 15-18 2015	0.3
• W3 - Membrane Optimization	Sept 15-18 2015	0.3
• W4 - Pumps & Force Mains	Sept 15-18 2015	0.3
• W5 - Public Consultation Process	Sept 15-18 2015	0.3
• W6 - Chemical Feed Pump Systems	Sept 15-18 2015	0.3
• Disinfection By Product Management	Mar 2, 2016	0.7
• Automatic Metering Systems	Apr 20 2016	0.7
• Canadian Biosolids and Residuals Conference 2016	May 18 -19 2016	0.9
• Wastewater Management Seminar & Tradeshow	Sept 21 2016	0.7
• Training or Tragedy: The Importance of Operator Training	June 20, 2017	0.7
WCW Conference Workshops, 2017	Sep 18-22, 2017	
• Leadership: It Starts with the Leader	Sep 18-22, 2017	0.3
WCW General Seminars		
• Disinfection By-Products, Calgary, Alberta	Nov 9, 2010	0.6
• Disinfection of Pipelines and Storage Facilities, AWWA	various	0.3
• Advanced Filter Optimization and Surveillance	Sept 19, 2017	0.6
• Automatic Metering Systems	Sept 19, 2017	0.4
• Lift Station Pumping Essentials	Sept 19, 2017	0.3

Western Trade Training Institute (WTTI)

<http://www.wttionline.ca/>

Course Name		CEU
• Hoisting and Rigging	various	0.7

Worksafe

Course Name		CEU
• Workplace Incident Investigation Course (Worksafe)	online	0.3
• Workplace Inspection Training (Worksafe)	online	0.3

Worksite Safety Compliance Centre

<http://worksitesafety.ca/>

Course Name		CEU
• WHMIS	online	0.3

World Water & Wastewater Solutions Ltd.

<http://www.owotc.com/>

Courses	Course ID	CEU
Water Treatment		
• Anhydrous Ammonia Safety	WT-25-CT	0.3
• Chemical Safety	WT-26-CT	0.6
• Chloramination	WT-24-CT	0.6
• Chlorine Emergency Repair Kit	WT-28-CT	0.3
• Chlorination and Disinfection Refresher	WT-26-CT	0.6
• Chlorine Residual Testing	WT-24-CT	0.6
• Gas Chlorination Safety	WT-28-CT	0.3
• Gas Chlorination and Disinfection	WT-23-CT	2.7
• Groundwater Treatment and Water Quality	WT-55-CT	0.6
• Hydrogen Sulphide Awareness	WT-29-CT	0.3
• Hypochlorination and Disinfection	WT-22-CT	1.7
• Iron and Manganese Removal	WT-31-CT	0.6
• Pumps and Pumping Hydraulics	WT-17-HO	0.6
• Surface Water Treatment and Water Quality	WT-54-CT	0.6
• Exam Preparation OIT Water Treatment and Distribution	WT-11-CT	1.8
• Exam Preparation Level 1 & 2 Water Treatment	WT-52-CT	3.0
Water Distribution		
• Basic Water Distribution for Water Treatment Operators	WD-65-CT	0.6
• Basic Water Treatment for Distribution System Operators	WD-60-CT	0.6
• Buried Utility Locating	WD-32-HO	0.6
• Cross Connection Control	WD-62-CT	0.6
• Commissioning New Watermains	WD-05-HO	0.6
• Distributions System Breaks and Repairs	WD-04-HO	0.6
• Distribution System Pipe Assemblies	WD-06-HO	1.3
• Emerging Issues: Lead Services (Get the Lead Out!)	WD-62-CT	0.6
• Fundamentals of Water Distribution for New Operators	WD-44-HO	3.0
• Flushing Techniques	WD-03-HO	0.6
• Hydrostatic Pressure Testing of Watermains	WD-58-HO	0.6
• Introductory Math	WD-22-CT	0.6
• Maintaining Chlorine Residual and Proper Sampling Techniques	WD-24-CT	0.6
• Operation and maintenance of Fire Hydrants	WD-02-CT	1.2
• Tapping of Watermains	WD-01-HO	0.6
• Watermain Disinfection	WD-51-CT	0.6
• Exam Preparation Level 1 & 2 Water Distribution	WD-54-CT	3.0
• Exam Preparation Level 2 & 3 Water Distribution	WD-55-CT	3.0
Wastewater Treatment		
• Activated Sludge Control	WWT-05-CT	1.8
• Bio-Solids Handling	WWT-03-CT	0.6
• Basic Wastewater Treatment	WWT-02-CT	1.8
• Calculations In Wastewater Technology	WWT-14-CT	0.6
• Exam Preparation OIT, Wastewater Treatment and Collection	WWT-06-CT	3.0
• Exam Preparation Wastewater Treatment Level 1 & 2	WWT-07-CT	3.0
• Exam Preparation Wastewater Treatment Level 3 & 4	WWT-08-CT	3.0
• Fixed Film and Other Treatment Processes	WWT-13-CT	0.6

• Micro Organisms	WWT- 09-CT	0.6
• Ponds and Lagoons	WWT-11-CT	0.6
• Wastewater Digester Operation and Control	WWT-12-CT	0.6
• Wastewater Problem Solving	WWT-10-CT	0.6
• Basic Wastewater Collection for Treatment Plant Operators	WWT-20-CT	0.6
Wastewater Collection		
• Exam Preparation Wastewater Collection Class 1 & 2	WWC-01-CT	2.4
• Exam Preparation Wastewater Collection Class 3 & 4	WWC-02-CT	2.4
• Basic Wastewater Collection	WWC-07-CT	1.8
• Collection System Odour and Corrosion Control	WWC-09-CT	0.6
• Lift station Operation and Maintenance	WWC-10-CT	0.6