



**Alberta Environment and Parks
Water and Wastewater Operator Certification Program
Continuing Education Unit
Evaluation and Credit**

June 2018

Alberta Environment and Parks

Policy for Continuing Education Unit Evaluation and Credit

Background

The Alberta Water and Wastewater Operator Certification program requires that operators have post-secondary education, or equivalent, to meet the requirements for Levels III and IV certification.

Certification program administrators across North America recognize that many operators have not had the opportunity to attend formal post-secondary education programs. Therefore, the Continuing Education Unit (CEU) system can be utilized by operators to gain the equivalent of post-secondary education.

In addition, effective January 1, 2005, operators in Alberta require between 0.6 and 3.6 CEU for renewal every 3-year renewal period (in some cases, operators with multiple certificates require more than 3.6 CEU).

The Continuing Education Unit (CEU)

A Continuing Education Unit is defined as 10 contact hours of participation in an organized, relevant continuing education experience under responsible sponsorship, capable direction, and qualified instruction as approved by the certification authority.

Forty-five (45.0) CEU are considered adequate to be substituted for one year of formal post-secondary education.

In Alberta, relevance is determined on a case-by-case basis by Alberta Environment and Parks (AEP) after consultation with the AEP Water and Wastewater Operator Certification Advisory Committee.

Post-Secondary Education

The certification program guidelines 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.

Relevance is determined on a case-by-case basis by AEP after consultation with the Certification Advisory Committee. The maximum post-secondary education credit that can be applied to the certification program is four years.

Partial degrees or certificates are evaluated on a CEU basis, based on courses completed and relevance to water and wastewater operations. For example, if a person drops out of a recognized four-year degree program after two years, he/she will NOT be given credit for two years of post-secondary education. Rather, the individual courses successfully completed will be evaluated on a CEU basis.

Education and Training

Education and training can be broken in to six 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 considered work experience and 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.

* On-the job training is defined as: Training that takes place at the work site and is supervised by a manager or an experienced coworker.

** In-house training is a training program for learning opportunities developed by the organization in which it is used. Training may be required to be provided to employees as part of legislative requirements for industry performance and safety standards or continuing education requirements. In-house training that qualifies for CEUs is a course that has the following 4 key components:

1. Written detailed course layout including objectives, outcomes, and evaluations;
2. Students must be in a learning environment;
3. Material must not be “facility specific”
4. Equipment used for training must not be in service.

Evaluation of Courses for CEU Assignment

In order for AEP to evaluate a course for CEU assignment, the course must meet the following criteria:

1. Subjects covered must relate to an approved need-to-know, job analysis, competency profile, occupational standard or occupational guideline approved by AEP. Such documents will be approved by AEP as necessary. Information on the current Association of Boards of Certification “Need to Know” can be found at:
 - [Need-to-Know Criteria](#)
2. Except for designated offerings (popular and common such as the AWWOA annual seminar or the WCW annual conference) each offering must have an official course completion document issued by the responsible sponsor (i.e. a certificate, letter, etc.) that indicates attendance and successful completion by the student. The number of hours or CEU approved by AEP or another jurisdiction must be shown on the document.
3. Face to face courses must be at least on half-day duration. The minimum CEU assigned to such a course will be 0.3 CEU. **Courses less than 3 hours in length will NOT be considered for CEU.**
4. Requests for CEU must have documentation attached that provides the name and qualifications of the instructor, statement of relevance to water/wastewater operations, a description of the delivery method, and a **detailed course outline showing topics and time spent on each topic.**
5. Courses workshops that are to be considered for 30 hours or more (3.0 CEU) must include a formal student evaluation (exam or assignment). A copy/description of the evaluation tool and the notes or hand-outs must accompany the application for CEU.
6. Although not mandatory, courses under 30 hours (3.0 CEU) those that have some sort of student evaluation at the end (exam, exercise, project) will be considered for CEU more readily than those that do not.

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.

In-house training by a utility may be acceptable as long as the training is packaged into modules of at least three (3) hours (0.3 CEU). Each module may be delivered in one session or over an extended period of time.

AEP will not recognize CEUs or Award CEUs for the following:

- Mass media programs (Webcast/Video/DVD/Webinars) that are not part of an educational program
- On-the-job training, apprenticeships and work experience
- Association nomination and elections sessions
- Work related staff and committee meetings
- Association business meetings and reports
- Self-directed study without course completion/verification
- Assigned reading and study time (homework) associated with any training program
- Tours
- Report writing
- Trade shows
- Product demonstrations (any length)

As well, operators apply for Level III Certification can only use a **maximum** of 10.0 CEUs from computer related training. Operators applying for Level IV Certification can only use a **maximum** of 20.0 CEUs from computer related training.

CEU for Certification vs. CEU for Renewal

At present time there will be no differentiation between CEU for certification or for renewal. Any course assigned CEU by AEP will be recognized for either certification or renewal subject to other established restrictions.

Operators who repeat training courses will be given CEU's for certification purposes once only. Repeated courses will not be counted for total CEU accumulation. Upon completion of courses within the 3 year renewal period, full credit can be applied one time for one renewal, and then only eligible to be re-used every second renewal period at half value only.

CEU Lists

AEP may maintain two lists of courses (offerings) that have been assigned CEU. The first will be available to operators and employees and will consist of courses that are continuously available or are available on a regular basis. The second list will be courses that are not readily available to operators since they were one-time courses, or they are no longer available.

Please note: The training listed is considered "current". For training approved prior to 2009 please refer to the "Prior training approved list".

Alberta Environment and Parks
Approved
CEUs/Training

Revised: June 2018

1 CEU is 10 contact hours of participation in an organized relevant continuing education experience (training) under responsible sponsorship, capable direction, and qualified instruction as approved by the AEP Water & Wastewater Operator Certification Advisory Committee.

CEUS 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 AEP. The Request for Course Evaluation form can be found on the AEP website:

[Application Form](#)

If you have any questions regarding a specific course contact the training provider directly.

Alberta Environment and Parks Recognized CEU's/Training

All newly approved courses highlighted in blue (starting November 2017)

360Training.Com

Electrical Fundamentals	0.3
HAZWOPER Refresher	0.4
Risk Management Protection	0.3
Stormwater Management	0.6

6-S Safety Services Confined Space and Excavation and Trenching	0.6
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Advantage Learning Solutions Inc. (2012)

Advantage H2S Awareness	0.0
Air Purifying Respirator	0.0
Confined Space Entry and Monitor	0.3
CSTS/PST – ACSA	0.3
Fall Protection Course	0.5
Fire Extinguisher Training	0.0
Fire Watch	0.0
Flagger Training	0.3
Gas Detection	0.3
Ground Disturbance for Supervisors	0.3
H2S Alive	0.5
PST/CSTS	0.0
Respiratory Protective Equipment	0.3
TDG	0.3
WHMIS	0.0

A&E Training Services - Arc Flash Awareness	0.3
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AECOM/National W/WW Benchmarking Initiative Workshop 2013	1.2
AECOM/National W/WW Benchmarking Initiative Workshop 2015	1.5

A.H. McElroy – Polyethylene Fusion Course 2012	0.6
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Airbrakes - Any Airbrake training	0.0
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Fall Protection	0.3
Flagman Training	0.3
Rigging and Hoisting	0.3
Temporary Traffic Control Training	0.4

Alberta BC Safety (2012)

Aerial Work Platform	0.3
Confined Space Entry	0.3
Fall Protection	0.5
Safe Work Permit	0.5
Zoom Boom/ Fork Lift	0.6

Alberta Common Ground Alliance (ABCGA) Seminar 2012	0.3
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Alberta Motor Transport Association – Safety Audit	0.6
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Alberta Water & Wastewater Operators Association (AWWOA)

1000 Drive Solutions for the Water Industry	0.3
Advanced BNR and Troubleshooting (April 2017 and on, former course of the EWMCE)	0.6
Anaerobic Digestion (April 2017 and on, former course of the EWMCE)	1.2
Application and Use of Membranes for Water & Wastewater Treatment 2010	0.6
Applied Math & Support Systems Certification Prep Course	1.2
AWWOA Annual Seminar Prior to 2010	1.5 each
AWWOA Annual Seminar 2010 and on	0.9 each
AWWOA Annual Seminar Friday Workshop 2010 and on	0.3 each
AWWOA Seminar ½ day Workshops 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018	0.3 each
AWWOA Seminar 2015 Fires, Floods, and Other Extreme Events	0.6
AWWOA/RUSA 2008 Workshop – Advantages of Water Metering for Municipalities	0.3
AWWOA/RUSA Small Water Treatment Workshop	0.4
AWWOA/RUSA Excel Spreadsheet Training for Operators Workshop	0.3
Basic Math Certification Prep for Operators (1 day course)	0.6
Biological Nutrient Removal (BNR) (April 2017 and on, former course of the EWMCE)	1.2
Biosolids Management (April 2017 and on, former course of the EWMCE)	1.2
Biosolids: Beneficial Reuse (April 2017 and on, former course of the EWMCE)	0.6
Bulk Chemical Handling for Maximized Efficiencies	0.3
Chlorination Workshop 2003 & Up	2.0
Chlorination Workshop Prior to 2003	3.0
Coaching for Operators (C2H) 2013	1.2
Collection & Distribution Seminar	2.0
Confined Space Entry and Monitor (Fuson)	0.6
Corrosion Control for Operators	1.5
Cross Connection Control Seminar	1.5
Cross Connection Control Workshop Offered by AWWOA, NAIT, SAIT, Lethbridge CC, Red Deer CC, Med. Hat CC	3.0
Disinfection (April 2017 and on, former course of the EWMCE)	0.6
Dissolved Air Flootation (DAF) (April 2017 and on, former course of the EWMCE)	1.2
Emergency Response Planning & Critical Analysis	0.6
Ensuring Safe Drinking Water	0.6
Environmental Compliance (April 2017 and on, former course of the EWMCE)	0.6
Entry Level Training Course	1.2
Excel Spreadsheet Training for Operators (1.5 day)	0.9
Excel 2007 Water & Wastewater Operator Training (2 day)	1.2
Fall Protection (Fusion Safety)	0.6
Filter Surveillance	1.2
Fluoride Seminar	0.5
Getting on the Right Track: Local Drinking Water & Wastewater Workshop (C2H) Aquatera Water Week 2013 Workshop #2	0.3
HDPE Electro Fusion and Multi Joint Repair Couplings	0.6
Hydrant Maintenance & Operation (new 2015)	1.2
Hydrant Maintenance and Repair	1.2
Hydrant & Valve Seminar 1995 & Up	1.5
Hydrant & Valve Seminar prior to 1995	1.0
If presenting a paper at either the AWWOA Seminar or the WCWWA Conference	1.0
Introduction to W/WW Operations (the Basic Course)	3.0
Introduction to SCADA Systems	0.3
Jar Testing Workshops	0.6
Lagoon Seminar	1.0

Level I ATAP Water Treatment Certification Preparation Course	2.4
Level I Certification Preparation Course (Parts A & B) (Classroom or Correspondence)	5.0
Level II Certification Preparation Course (Classroom or Correspondence)	3.0
Level II WD Certification Prep Course (Classroom, Correspondence, On-line)	1.2
Level II WWC Certification Prep Course (Classroom, Correspondence, On-line)	1.2
Level II Certification Preparation Wastewater Course **New course offered effective 2015	1.5
Level II Certification Preparation Water Course	1.5
Level III/IV Water Distribution	1.2
Level III/IV Water Treatment Certification Preparation Course	3.0
Level III/IV WWC Certification Prep Course (Classroom, Correspondence, On-line)	1.2
Level III/IV WWT Certification Prep (April 2017 and on, former course of the EWMCE)	1.3
Management & Supervision for Operators 1984/85, & 2002 & Up	2.0
Management & Supervision for Operators 1986 – 2001	3.0
Math Certification Prep for Level III/IV WWT (on-line and in class) (April 2017 and on, former course of the EWMCE)	0.3
Math and Support Systems for Operators	1.2
Math Correspondence Course (formerly called the WCWWA Math Correspondence Course)	9.0
Membrane Systems; Operation & Maintenance (Workshop B) May 2007	0.6
Membrane Systems; Technical Design (Workshop A) May 2007	0.6
Membrane Treatment of Wastewater (April 2017 and on, former course of the EWMCE)	1.2
New Developments in Wastewater Treatment Technology	0.6
New Developments in Water Treatment Technology	0.6
Potable Water Reservoir Design O & M 2012 – Delivered by ATAP	0.6
Presenting Utility Projects for Approval	0.3
Primary Sludge Fermentation (April 2017 and on, former course of the EWMCE)	1.0
Process Control Analysers & Instruments (Process Control Instrumentation Intermediate)	1.2
Process Control Instrumentation Basics	1.2
Project Management	0.6
Pumps and Hydraulics for Operators 2010	0.6
Pumps and Blowers (April 2017 and on, former course of the EWMCE)	1.2
Pumps; Theory, Operation & Maintenance Classroom/Homestudy (Pump Workshop)	3.0
Reading P& ID's (April 2017 and on, former course of the EWMCE)	0.6
RBC Homestudy Course	2.0
Safety for Water and Wastewater Operators 2010	0.6
Safety Procedures & Practices Course	1.5
Safety Programs for Operators after 1984	2.0
Small Systems Seminar	2.5
Small Wastewater Systems Operations Course/Homestudy	0.6
Small Water Systems Operations Course/Homestudy	0.6
Source Control (April 2017 and on, former course of the EWMCE)	1.2
Southern Alberta Municipal Water Seminar	0.3
Standard Operating Procedures (SOP)	0.6
Task Analysis Working Session (2013/14)	1.2 per session
Training or Tragedy – The Importance of Operator Training	0.6
Wastewater Treatment Lagoons Operation & Maintenance	0.6
Wastewater Treatment Operator A Homestudy	2.0
Wastewater Treatment Operator B Homestudy	3.0
Wastewater Collection 1 Day Workshop 2010	0.6
Wastewater Collection Course	1.2
Water Distribution 1 Day Workshop 2010	0.6
Water Distribution Course	1.2
Watermain Disinfection, Operation & Maintenance	1.2
Water & Wastewater Laboratory	2.0 each

Water & Wastewater Operator's Seminar (Annual) (Banff Seminar)	1.5
Water Correspondence Course (formerly called the WCWWA Water Correspondence Course)	15.0
Water Disinfection Workshop (AWWOA and also delivered RUSA)	0.6
Water Distribution & Wastewater Collection Course	1.2
Water Meters; Selection, Installation, Testing & Maintenance	1.0
Water Reuse: Challenges & Opportunities – Bob McAlpine	0.6
Water Treatment Membrane Workshop May 2007	0.3
Water Treatment Operations	3.0
Water Treatment Operators A (Introductory)	3.0
Water Treatment Operators B (Intermediate)	3.0
Water Well Rehabilitation Workshop	1.2
Water Well Operation & Maintenance 2010	0.3
Water Well Operation & Maintenance 2011 and up	1.2
Why Learn the Hard Way? Stephen Hrudehy Aquatera 2013 Workshop #1	0.3
Operators <i>instructing</i> relevant, approved courses/training shall be awarded CEUs based on the CEUs of the course plus 1.0 CEU. This can only be used once for delivering the <i>same course</i> . As well, CEUs used for renewal of a certificate are subject to cyclical and ½ CEUs renewal rules	

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Drinking Water Safety Plans 2010/11	0.6
Laboratory Data Quality Assurance Program for Small Municipalities	0.6
Regional Operator's Water Workshop 2011	0.5
Regional Operator's Water Workshop 2012	0.3
Starting Your Drinking Water Safety Plan 2013	0.6

Alberta (Service) Best	0.5
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Alberta Government – Municipal Affairs – MIMS	1.2
Municipal Infrastructure Management System (MIMS) Introduction to MIMS 2008	0.6

Alberta Construction Safety Association (ACSA)

AB OHS Legislation Awareness Course	0.6
AB OHS Code Review (2009)	0.3
Auditor Training Program	1.2
Back Injury Prevention Program (BIPP)	0.0
Basic Instruction Techniques	0.0
Confined Space Entry Awareness	0.6
Construction Environmental Awareness	0.3
Construction Safety Administration (CSA)	0.0
Construction Safety Officer Program (CSO) (National Standard)	0.0
Construction Safety Training System	0.4
Construction Safety Training System (CSTS)	0.3
Effective Claims Management	0.0
E-Learning Programs	0.0
Fall Protection Awareness	0.6
Fall Protection End-User Industrial/Commercial or Wood Frame	0.0
Fall Protection Train the Trainer Industrial/Commercial or Wood Frame	0.0
Flag Person Training	0.2
Flagger Train the Trainer	0.6
Pipeline Construction Safety Training	0.0
Prime Contractor Course	0.6
Principles of Health & Safety Management	0.6
Road Builders Safety Training System (RSTS)	0.3
Safe Trenching	0.6

Safe Trenching, Excavation and Ground Disturbance	0.6
Small Employer Certificate of Recognition Program (SECOR)	0.0
Small Employer Health & Safety Management Course	0.6
Small Employer Ride Along Program	0.0
Standard Certificate of Recognition Program (COR)	0.0
Substance Abuse Prevention Program (SAPP)	0.0
Supervisor Training in Accident Red.Tech. (START)	0.6
TDG Train the Trainer	0.6
Temporary Traffic Control	0.3
Temporary Traffic Control Field Application	0.6
WHMIS Train the Trainer	0.6

Alberta On-Site Wastewater Management Association – Onsite Wastewater Practitioner Training Program Phase I (On-site Wastewater Install Phase One Course)	1.8
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Alberta Emergency Management Agency – Emergency Public Information Officer Course	0.4
Alberta Emergency Management Agency – I-100 Introduction to Incident Command System (2012)	0.3
Alberta Emergency Management Agency I-200	0.8
Alberta Emergency Management Agency I-300	1.2

Alberta Health Services Pool Safety Certificate	0.7
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Alberta Recreation Facility Personnel Building Maintenance Level I	0.4
Alberta Recreation Facility Personnel Building Maintenance Level II	0.5
Alberta Recreation Facility Personnel Swimming Pool Operator Level I	1.0
Alberta Recreation Facility Personnel Swimming Pool Operator Level II (Advanced)	2.4

Alberta Municipal Health & Safety Association (AMHSA)

Auditor Recertification Workshop	0.5
Backhoe/Loader Operator Safety – IVES (for WD or WWC Operators ONLY)	0.6
Confined Space Entry	0.3
Construction Safety Training Systems (Course no longer offered)	0.4
Fall Protection Program	0.6
Flagperson Train the Trainer	0.6
Formal Workplace Inspection Course	0.3
Ground Disturbance, Trenching & Excavation Safety (formerly) Trenching (1 day)	0.6
Hazard Identification (Hazard Assessment and Control)	0.3
Health & Safety Management Systems	0.6
Health & Safety Management Systems Auditory (Safety Basics Auditor)	1.2
Health & Safety Management Systems (Safety Basics)	0.6
Incident Investigation (Accident/Investigation)	0.3
Inside Worker Safety (no longer offered)	0.6
Joint Health & Safety Committee	0.3
Leadership for Safety Excellence (Leadership in Health & Safety Modules 1, 2, 3, & 4)	1.2
Leadership for Safety Excellence (On line)	0.6
Musculoskeletal Injury Prevention (Office Environment module)	0.0
Musculoskeletal Injury Prevention (Physically Demanding module)	0.0
Orientation: Train the Trainer	0.0
Overview of OHS Act Regulations & Code	0.6
Partnerships Program Building (Course no longer offered)	0.6
Partnerships Program Evaluation (Course no longer offered)	1.2
Prime Contractor	0.6
Safety Inspections Course	0.3
Small Employer Health & Safety Management System (SECOR)	0.6

Supervisors Role	0.3
Trenching Safety (not offered anymore)	0.3
WHMIS Train the Trainer (Only if NO WHMIS)	0.6
Workplace Violence Prevention Course	0.6

Alberta Forest Products in Health & Safety	1.0
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Algonquin College Water and Waste Water Technician Program	1.5 years post-secondary
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All-Canadian Training Institute Inc – Overhead Crane Hoisting, Rigging, and Material Handling Op Course	0.6
All Out Group, Scott Specialist Level Maintenance Course	0.3

Alberta Workers' Health, Safety & Compensation Accident Control Course for Supervisors	1.4
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Alberta Municipal Affairs – Basic Emergency Preparedness/Management (updated 2012)	0.3
Alberta Municipal Affairs – Emergency Operations Center Training	0.3

Alberta Onsite Wastewater Management Association 2017 Annual Conference	0.6
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TPC Trainco (Formerly American/Canadian Trainco)

Basic Electricity for the Non-Electrician 2015	1.2
Effective Maintenance Planning & Scheduling 2014	1.2
Electrical Troubleshooting and Preventive Maintenance 2015	1.2
Planning & Scheduling	1.2
Pump Repair and Maintenance	1.2
Pumps and Pump Systems 2015	1.2

Ammonia Safety & Training Institute – Ammonia Technician Responder 2013	0.6
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Anachemia Science

Good Lab Management & How Quality Control Samples Can Help your lab	0.6
Science The Theory, Practical Applications & Measurements of DO, BOD, COD and TOC, Intro to LDO Tech.	0.6
Science The Theory of Turbidity & Colorimetrics & Proper Operation & Main. of Hach Lab. Instruments	0.6

Annual Workshop for the Drumheller/Aqua 7/Starland Operators 2013 (DWSP)	0.3
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APEGA Fundamentals of Project Management	1.2
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AQUALTA CONSULTING (Lilith Liyanage)

Climate Change Adaptation Options for Water and Wastewater Systems in the Prairies	1.2
Source Water Resiliency Planning Options for Water Systems	0.6
Contaminants of Emerging Concerns: Implications for Water and Wastewater Systems	0.6
Proven Methods to Generate Green Money from WW Facilities	1.2
Emerging Options for Water and Wastewater Disinfection	0.6

Aquatera 2008 Workshop #1 (WD/WWC Related)	0.3
Aquatera 2008 Workshop #2 (Treatment Related)	0.3
Aquatera 2008 Technical Program (and Tradeshow)	0.9
Aquatera 2011 Technical Program	0.6
Aquatera 2011 Workshop Blue Green Algae	0.3
Aquatera 2011 Workshop Go Trenchless with PVC...	0.3
Aquatera 2011 Workshop Removal of Iron and Manganese in WC Ground and Surface Water	0.3
Aquatera 2013 Water Week North Conference	0.6

Aquatera 2013 Workshop #3 Unidirectional Flushing	0.3
Aquatera 2013 Workshop #2 Innovative Wastewater Treatment Options & Water Reuse for Municipalities	0.3
Aquatera 2014 Workshop #1 Algae Control & Mitigation	0.3
Aquatera 2014 Workshop #3 Revisiting the Fundamentals of Enhanced Biological Phosphorus Removal Activated Sludge Process	0.3
Aquatera 2014 Technical Program	0.6
Aquatera 2015 Technical Program	0.6
Aquatera 2015 Workshop 1 – Practical Guide to Determine Leakage and Losses in Water Distribution Systems **operators taking this workshop as the 2010 AWWOA Seminar are not eligible for further CEUs.	0.3
Aquatera 2015 Workshop 2 – DWSPs the Next Steps (3 hours) ** operators taking this workshop as wells as the 1 day AWWOA DWSP Next Steps Workshop (6 hours), are not eligible for further CEUs	0.3
Aquatera 2015 Workshop 3 – UV Disinfection of Drinking Water	0.3
Aquatera 2016 Technical Program	0.6
Aquatera 2016 Workshop #1 Training or Tragedy	0.6
Aquatera 2016 Workshop#2 Water and Wastewater Chemistry (Associated Engineering)	0.3
Aquatera 2016 Workshop #3 Biological Nutrient Removal Do's and Dont's	0.3
Aquatera 2016 Workshop #4 Math for Operators	0.6
Aquatera 2016 Workshop #5 Confined Space Theory and Rescue *cyclical training rules apply	0.6
Aquatera 2017 Technical Program	0.6
Aquatera 2017 Workshop #1 Lift Station and Dewatering	0.5
Aquatera 2017 Workshop Hazard Assessment for W/WW Operators	0.3
Aquatera 2017 Workshop Reducing Stressors in Your Work Environment	0.3
Aquatera 2017 Workshop Frontline Leadership (formerly EWMCE Foremanship Practical Approaches to Management)	1.2
Aquatera 2017 Workshops (all others – previously approved)	As per certificate

AWI Filter Surveillance Course (Two day) *if take one day, can only get credit for 0.9	1.2
AWI Filter Surveillance Course (One day)*if take two day, no credit for one day	0.3
AWI Filter Surveillance Course (Condensed Version for City of Red Deer)	0.6
AWI Iron and Manganese Removal Workshop (one day)	0.6

APEGGA Accreditation

The following have been assessed and credit MAY be given as indicated
Related P.Eng. - 4 years of Post-Secondary Education
Semi Related - @ 50%

APWA

APWA Public Works Construction Inspection	1.8
APWA Trends in Water/Wastewater 2008 & 2009	0.4
APWA 2009 Conference & Trade Show (Monday/Tuesday)	0.4
APWA Public Works Supervisor Level 3 (must complete actual course, not awarded by experience/previous training) up to 2011	3.0
APWA 2010 Partners in Excellence Conference	0.3
APWA 2011 Partners in Excellence Conference	0.4
APWA 2011 1 day workshop Trends in Water Management...	0.6
APWA 2011 ½ day workshop Utilizing Lateral Launch Technology...	0.3
APWA/ARHCA/Alberta Transportation 2012 Partners in Excellence Conference	0.3
APWA 2012 Water & Wastewater Pump Systems Hydraulics Workshop	0.6
APWA 2013 Partners in Excellence Conference	0.3
APWA 2014 Partners in Excellence Conference	0.3
APWA 2013 Trends in Water and Wastewater /Facility & Process Design Workshop	0.6
APWA 2015 Partners in Excellence Conference	0.5

APWA 2016 Partners in Excellence Conference	0.5
APWA 2017 Partners in Excellence Conference	0.5
APWA 2017 – Conference Workshop (Public Works Manager Perspective)	0.3
APWA 2018 – Partners in Excellence Conference	0.3
APWA Core Course Level I Role of the Supervisor	0.8
APWA Core Course Level I Effective Leadership Skills	0.8
APWA Core Course Level 2 Effective Communication Skills	0.8
APWA Core Course Level 2 Human Resources Management	0.8
APWA Core Course Level 3 Motivating & Coaching for Improved Performances	0.8
APWA Core Course Level 3 Delegating/Assigning Tasks Effectively & Developing Teamwork	0.8
APWA Electives Level 1 Diversity in the Workplace	0.8
APWA Electives Level 1 Financial Administration for Non Finance Staff	0.8
APWA Electives Level 1 Introduction to Project Management	0.8
APWA Electives Level 2 Increasing Productivity/Improving Employee Work Habits Through Performance Management	0.8
APWA Electives Level 2 Employee Relations	0.8
APWA Electives Level 2 Time/Stress Management	0.8
APWA Electives Level 2 Managing Change	0.8
APWA Electives Level 2 Business Law & Legal Issues	0.8
APWA Electives Level 3 Labour Relations	0.8
APWA Electives Level 3 Problem Solving & Decision Making	0.8
APWA Electives Level 3 Conducting Interview & Meetings	0.9

ARBRI/COSIA Fundamentals of Environmental Monitoring	0.5
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Arresting You

Confined Space Entry & Rescue	0.6
Fall Protection Training	0.6
Forklift Safety	0.3
Aerial Boom Lift Operator	0.3

Assembly of First Nations – National Water Conference – Edmonton 2012	1.0
Distribution & Fire Pump Maintenance for TSAG Conference 2013 (Paradigm)	0.6

Arctic Response Canada Ltd. – Ice Safety and Rescue	1.2
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ASET Accreditation

The following have been assessed and credit MAY be given as indicated
Related Technician - 1 year of Post-Secondary Education
Related Technologist - 2 years of Post-Secondary Education
Semi Related - @ 50%

ASET 2014, 2015 Conference	0.3
ASET Technology Management Essentials (Clients & Contractor Relations Seminar)	0.4
ASET Technical Writing Seminar	0.4

Athabasca University Introduction to Statistics (Math 215)	2.5
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Athabasca University

ENVS305 – Environmental Impact Assessment 2012	2.5
GEOL313 – Our Physical Resources 2012	2.5

AT Safety Training Inc.

Confined Space Entry Awareness	0.3
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Confined Space Entry Level I and II and Rescue Extraction	0.6
Confined Space Entry Level I with Practical	0.5
Emergency First Aid (One day)	0.6
Fall Protection/Harness Training	0.3
H2S Alive	0.5
Standard First Aid with Level B CPR	1.2
Standard First Aid with Level C CPR	1.2
TDG	0.3
WHMIS	0.3

AUMA Finding Agreement 2009 (2012)	1.2
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American/Canadian Trainco

Basic Electricity for the Non-Electrician 2012	1.2
Effective Maintenance Planning & Scheduling 2014	1.2
Electrical Troubleshooting and Preventive Maintenance 2012	1.2
Pumps and Pump Systems 2012	1.2

American Water Works Association (AWWA) APPROVED TRAINING

Alberta has approved the following AWWA courses:

NOTE: Alberta has a minimum 3-hour course CEU credit rule. Not all online courses listed below are 3 hours in length so Alberta has agreed to approve courses as “multi-component bundled courses”. This means you must complete the “multi-component bundled course” series and submit **the one certificate** before Alberta will grant you CEU credit.

AWWA eLEARNING COURSE TITLE	COURSE TOTAL HOURS	CEU AWARD	Explanation
Advanced Disinfection	2	0	Less than 3 hours in length
Advanced Metering Infrastructure for the Water Industry	2	0	Less than 3 hours in length
Applied Mathematics	3	0.3	
Basic Mathematics	7	0.7	
Chemicals: Best Practice for Quality Assurance	2	0	Less than 3 hours in length
Chlorine Gas: An Inherently Safety Technology	2	0	Less than 3 hours in length
Chlorine Gas: Balancing Public Health	2	0	Less than 3 hours in length
Coagulation, Flocculation, and Sedimentation Basics	3	0.3	
Disinfection Basics	3	0.3	
Disinfection of Pipelines & Storage Facilities	2	0	Less than 3 hours in length
Distribution Service to Customers	3	0.3	
Distribution System Materials and Equipment	3	0.3	
DEP, and Personal Care Products Actions & Communication	2	0	Less than 3 hours in length
Essentials Asbestos Awareness	1	0.1**	
Essentials Electrical Safety	1	0.1**	
Essentials Fall Protection	1	0	Less than 3 hours in length

Essentials Fire Extinguishers	1	0	Less than 3 hours in length
Essentials Forklift Safety	1	0.1**	
Essentials Hazard Communication Awareness	1	0	Less than 3 hours in length
Essentials Hazard Waste Awareness	1	0	Less than 3 hours in length
Essentials HAZWOPER	1	0	Less than 3 hours in length
Essentials Hearing Protection	1	0	Less than 3 hours in length
Essentials Ladders and Stairways	1	0	Less than 3 hours in length
Essentials Lockout/Tagout	1	0.1**	
Essentials Process Safety Management	1	0	Less than 3 hours in length
Filtration Basics	3	0.3	
Fundamentals of Chemistry for Water Professionals	8	0.8	
GeoScience in Water Aquifers	2	0	Less than 3 hours in length
Harmful Algal Blooms: Cyanobacteria	2	0	Less than 3 hours in length
High Bill Complaints? Easy Water Conservation Help for Customers	2	0	Less than 3 hours in length
High Tech Operator Level 1	12	N/A	
High Tech Operator Level 2	12	N/A	
High Tech Operator Level 3	12	N/A	
High Technology Tools for Operators	2	0	Less than 3 hours in length
Hydraulics	8	0.8	
Instrumentation eLearning	6	0.6	
J100 RAMCAP Risk & Resilience Management of Water Systems	20	N/A	
Key Elements to Maintaining Distribution System Quality	2	0	Less than 3 hours in length
Membrane Technology Conference Showcase	2	0	Less than 3 hours in length
Membranes: Emerging Issues & Technologies	2	0	Less than 3 hours in length
OSHA Health & Safety Practices	1	0	Not relevant to Canada
OSHA Industrial Hazards	1	0	Not relevant to Canada
OSHA Introduction to Health and Safety	1	0	Not relevant to Canada
OSHA Report and Investigate Accidents	1	0	Not relevant to Canada
OSHA Risk Assessment	1	0	Not relevant to Canada
PE Pipe in the Field	2	0	Less than 3 hours in length

Perchlorate and Emerging Contaminants: Where are We Now?	2	0	Less than 3 hours in length
Plant to Tap: The Importance of Disinfection	2	0	Less than 3 hours in length
Pump Maintenance	2	0	Less than 3 hours in length
PVC Pipe in the Field	2	0	Less than 3 hours in length
Quagga/Zebra Mussel Control	2	0	Less than 3 hours in length
Residuals Management and Disposal	2	0	Less than 3 hours in length
Setting Rate in a Tough Economy	2	0	Less than 3 hours in length
The Fundamentals of Drinking Water Regulations Course 1	1	0	Less than 3 hours in length
The Fundamentals of Drinking Water Regulations Course 2	1	0	Less than 3 hours in length
Total Coliform Rule (not applicable to Canada)	2	0	Less than 3 hours in length
Trenchless Technology Applications in the Water Industry	2	0	Less than 3 hours in length
Water Main Installation	3	0.3	
Water Shortages: Finding a Solution	2	0	Less than 3 hours in length
Water Storage Tanks: Operations and Maintenance	2	0	Less than 3 hours in length
Water System Mechanical Equipment	2	0	Less than 3 hours in length
Water Treatment Operator Level 1	60	N/A	
Water Treatment Operator Level 2	60	N/A	
Water Treatment Operator Level 3	60	N/A	

*N/A – CEUs have not been awarded yet as the courses have not been reviewed at this time. Waiting for submission from AWWA

** Training was evaluated and CEUs awarded prior to the minimum 3 hour rule.

AWWA COURSE TITLE	COURSE TOTAL HOURS	CEU AWARD	Explanation
MULTI-COMPONENT BUNDLED COURSES (entire component must be completed prior to CEUs being awarded)			
DISTRIBUTION SERIES 1			
Advanced Metering Infrastructure for the Water Industry (2 hours)	4	0.2	
Water Storage Tanks: Operations and Maintenance (2 hours)			
DISTRIBUTION SERIES 2			
Pump Maintenance (2 hours)	4	0.2	
Water System Mechanical Equipment (2 hours)			
DISTRIBUTION & ENGINEERING SERIES			
P.E. Pipe in the Field (2 hours)	4	0.2	
PVC Pipe in the Field (2 hours)			

DISTRIBUTION & QUALITY SERIES 1			
Advanced Disinfection of Pipeline & Storage Facilities (2 hours)	6	0.3	
Disinfection of Pipelines & Storage Facilities (2 hours)			
Plant to Tap: The Importance of Disinfection (2 hours)			
DISTRIBUTION & QUALITY SERIES 2			
High Technology Tools for Operators (2 hours)	4	0.2	
Key Elements to Maintaining Distribution System Quality (2 hours)			
DISTRIBUTION & TREATMENT SERIES			
Residuals Management and Disposal (2 hours)	4	0.2	
Trenchless Tech. Applications in the Water Industry (2 hours)			
QUALITY & SAFETY SERIES			
EDP & PCP Actions & Communication (2 hours)	4	0.4	Previous to 2012-5 hours worth 0.5
Perchlorate & Emerging Contaminants (2 hours)			
QUALITY & TREATMENT SERIES			
Chemicals: Best Practice for Quality Assurance (2 hours)	6	0.6	
Harmful Algal Blooms: Cyanobacteria (2 hours)			
Quagga / Zebra Mussel Control (2 hours)			
RATE SERIES			
High Bill Complaints? (2 hours)	4	0.4	
Setting Rates In a Tough Economy (2 hours)			
REGULATIONS SERIES			
Fundamentals of Drinking Water Regulations Course 1 (1 hour)	2	0.0	Previous to 2012-4 hour worth .4
Fundamentals of Drinking Water Regulations Course 2 (1 hour)			
RESOURCES & REUSE SERIES			
GeoScience in Water Aquifers (2 hours)	4	0.4	
Water Shortages: Finding a Solution (2 hours)			
SAFETY SERIES 1			
Essentials Asbestos Awareness (1 hour)	3	0.3	
Essentials Hazard Communication Awareness (1 hour)			
Essentials Hazardous Waste Awareness (1 hour)			
SAFETY SERIES 2			
Essentials Electrical Safety (1 hour)	3	0.3	
Essentials Fire Extinguishers (1 hour)			
Essentials Lockout/Tagout (1 hour)			
SAFETY SERIES 3			
Essentials Fall Protection (1 hour)	5	0.5	
Essentials Forklift Safety (1 hour)			
Essentials HAZWOPER Awareness (1 hour)			
Essentials Hearing Protection (1 hour)			
Essentials Ladders and Stairways (1 hour)			
SAFETY SERIES 4			
OSHA Health & Safety Practices (1 hour)	5	0	Not relevant to Canada
OSHA Industrial Hazards (1 hour)			
OSHA Introduction to Health and Safety (1 hour)			
OSHA Report and Investigate Accidents (1 hour)			
OSHA Risk Assessment (1 hour)			

TREATMENT SERIES 1			
Chlorine Gas: An Inherently Safer Technology (2 hours)	4	0.4	
Chlorine Gas: Balancing Public Health (2 hours)			
TREATMENT SERIES 2			
Membrane Technology Conference Showcase (2 hours)	4	0.4	
Membranes: Emerging Issues & Technologies (2 hours)			

AWWA STAND ALONE COURSES	COURSE TOTAL HOURS	CEU AWARD	Explanation
AWWA Webcasts		0	Not eligible for CEUs
AWWA Specialty Conferences: 2011 Distribution Symposium (DSS11) 2011 Water Security Congress (WCS11)			Awarded based on Tracked Attendance
AWWA Specialty Conferences: 2010 Distribution Symposium (DSS) 2010 Water Security Congress (WCS)			Awarded based on Tracked Attendance
AWWA Specialty Conferences: 2011 Water Quality Technology Conference & Exposition (WQTC11)			Awarded based on Tracked Attendance
AWWA Annual Conference & Exposition OR Distribution Systems Symposiums & Exposition			Awarded based on Tracked Attendance
AWWA 2012 Membrane Technology Conference & Exposition			Awarded based on Tracked Attendance
AWWA 2013 Water Quality Technology Conference & Exposition (WQTC13)			Awarded based on Tracked Attendance
AWWA Seminar-on-Demand		0.7 – 1.9	Depends on the Seminar
Asbestos (General Industry)	1	0.1**	
Cost of Service & Rate Making Seminar	10	0.9	
Cross Connection Control Specialist Course	30	3.0	Approved for BEATS Mobile Delivery - Danny Wilson
Electrical Safety (Construction)	1	0.1**	
Emergency Response Planning	2	0.2**	
Excavations (Construction)	1	0.1**	
Financial Management Cost of Service Rate Making	5	0.5	
Fire Hydrant Operations & Maintenance	3	0.3	
Materials Handling (Construction)	1	0.1**	
Optimizing Performance Using Turbidity Data	3	0.3	
Permit-Required Confined Spaces	1	0.1**	
Personal Protective Equipment (Construction)	1	0.1**	

Pipeline Repair	3	0.3	
Pollution Prevention	1	0.1**	
Respiratory Protection	1	0.1**	
Scaffolds (Construction)	1	0.1**	
Security Planning for Drinking Water Systems: An Operational Approach	2	0.2**	
Small Systems Regulations & Treatment – Virtual Session 2011		0.3	
Spill Prevention Control and Countermeasure (SPCC)	3	0.3	
State of the Art Advances in Water Loss Control & Metering Technologies – Virtual Session 2011		0.3	
Storm Water Pollution Prevention	1	0.1**	
Water 101	5	0.5	

** Training was evaluated and CEUs awarded prior to the minimum 3 hour rule.

AR Williams Lift Truck Operator Safety Training Course (CEUs are given ONE TIME ONLY)	0.4
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ATAP Infrastructure Management Ltd.

Chloramination 101 2016 (on-line and in classroom)	0.3
Confined Space 2012	0.6
Filter Optimization & Surveillance 2012 (on-line and in classroom)	0.6
Fundamentals of Process Instrumentation (on-line and in classroom)	0.6
Gas Chlorination (2012) (on-line and in classroom)	1.2
Hydrant Flow Testing	0.6
Hydrant Operation (1/2day)*cannot get full credit for both half and full day – max 0.6 (on-line and in classroom)	0.3
Hydrant Operation and Maintenance 2016 (full day) *cannot get full credit for both half and full day – max 0.6 (on-line and in classroom)	0.6
Hypochlorination & Feeder Maintenance 2012 (on-line and in classroom)	0.6
Iron & Manganese Removal 2011, 2016 (on-line and in classroom)	0.6
Jar Testing 2012 (on-line and in classroom)	0.6
Lagoon O & M 2011, 2016 (on-line and in classroom)	0.6
Level 1 Water Treatment/Distribution Preparatory Course <i>*not approved for mandatory entry level training</i>	1.2
Level I Preparatory Course (Live on-line lecture delivery) <i>*approved for mandatory entry level training</i>	5.0
Level I Preparatory Course (WT/WD) only (Live on-line lecture delivery)	3.2
Level I Preparatory Course (WWT/WWC) only (Live on-line lecture delivery)	3.2
Level II Preparatory Course (Live on-line lecture delivery)	5.0
Level II Preparatory Course (WT/WD) only (Live on-line lecture delivery)	3.2
Level II Preparatory Course (WWT/WWC) only (Live on-line lecture delivery)	3.2
Level II WT Course (on-line and in classroom)	2.6
Level II WD Course (on-line and in classroom)	1.8
Level II WWC Course (on-line and in classroom)	1.8
Level II WWT (on-line and in classroom)	2.6
Membrane Filtration (6 hr.) (on-line and in classroom)	0.6
Membrane Filtration (2 day) (on-line and in classroom)	1.2
Potable Water Reservoir Design O & M 2011, 2016 (on-line and in classroom)	0.6
Reading P&ID's (on-line and in classroom)	0.6
Sampling Techniques and Analysis for Water and Wastewater (on-line and in classroom)	0.3
Wastewater Collection Maintenance 2012 (formerly Fall Maintenance – Collection Systems) (on-line and in classroom)	0.6
Water Disinfection Techniques 2016 (on-line and in classroom)	0.6

Water Distribution System Maintenance 2011, 2016 (on-line and in classroom)	0.3
Water Main Swabbing 2011	1.0
Water Main Swabbing 2015 (1 day)	0.6
Water Main Swabbing 2016 (10 hours)* if taken water main swabbing 2015, only eligible for 0.4 CEU's	1.0
WHMIS & Safety 2012	0.6

ATCO Gas

Barricading & Traffic Control	0.2
*Confined Space Entry	0.3
Detailed Work Instructions (DWIs) for Supervisors	0.4
Drilling & Stopping	0.0
Hazard Assessment	0.2
Incident Investigations	0.5
PE Pipe Squeezing	0.2
*Respiratory Protection	0.3
*Safe Work Process	0.6
*Transportation of Dangerous Goods	0.3
*WHMIS	0.6
Worksite Inspections	0.3

*Subject to the Cyclical Training Rule

AWI (Anthratch Western Inc.) – Filter Surveillance Workshop (one day)	0.6
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BCIT Piping (Certificate of Trades Training)	3.0
BCIT Chemical & Metallurgical Technology	2 years

Brenntag Canada – Chlorine Awareness	0.2
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CALA Environment – Confined Space Entrant, Attendance & Rescue	0.6
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Camenex Controls

Camenex Controls – Introduction to SCADA (2012)	0.3
Process Control Analyzers & Instruments	1.2
Process Control Instrumentation Basics	1.2
Pumps, Motors, and Electrics (AWWOA sponsored)	1.2
SCADA Intermediate (AWWOA sponsored)	0.3
SCADA Basics (AWWOA sponsored)	0.3

Cla-Val Canada Corporation – Cla-Val Automatic Control Valves (Spartan Controls)	0.5
Cla-Val Canada Corporation – 3 Day Technical Services Seminar on Cla-Val Automatic Control Valves (Spartan Controls)	1.6

Can-Sling OBI/Capital Safety Group – General Awareness	0.3
Can-Sling OBI/Capital Safety Group – Equipment Inspection	0.3

Canada Training Group Inc. PLC Maintenance Troubleshooting Level I	1.2
Canada Training Group Inc. PLC Maintenance Troubleshooting Level II	1.2

Canada Valve McAvity Hydrant Course	0.6
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Canadian Association for Laboratory Accreditation – CALA

Canadian Association for Laboratory Accreditation – CALA (2 days)	1.2
Canadian Association for Laboratory Accreditation – Understanding ISO/IEC 17025 - Classroom	1.3
Canadian Association for Laboratory Accreditation – Understanding ISO/IEC 17025 On-line version	1.0

Canadian Association for Laboratory Accreditation – 4200: Internal Calibration for Laboratories	0.5
Canadian Association for Laboratory Accreditation – 4300: Control Charting for Laboratories	0.5

Canadian Emergency Preparedness College Emergency Site Management	2.5
Canadian Emergency Management College – Incident Site Management	1.7

Canadian Industrial & Construction Training Inc.

Aerial Work Platform	0.4
AiA Classic	1.0
Confined Space Entry	0.3
Confined Space Monitor if they HAVE completed Confined Space	0.0
Confined Space Monitor IF they have not completed Confined Space	0.3
Due Diligence	0.3
Fall Protection	0.6
Field Level Risk Assessment	0.2
Forklift Training	0.3
Forklift/Slide Boom if they HAVE completed Forklift Training	0.0
Forklift/Slide Boom IF they have not completed Forklift Training	0.3
Gas Detection	0.3
Ground Disturbance & Bonding	0.4
Mobile Crane	0.0
Overhead Crane	0.3
Respiratory Protective Equipment Training	0.3
Rigging	0.3
Rigging Advance	0.6
Supervisor Training/Due Diligence	0.0

Canadian Management Centre

Transitioning to Leadership	0.3
Dealing with Leadership Challenges	0.6
Understanding Yourself and the People You Lead	0.6
Effective Communication Skills for Supervisors	0.6
Managing Conflict	0.6
Dealing with Competing Demands	0.6
Coaching for Performance	0.6
Building Exceptional Teams	0.6
Leading Change	0.6
Influencing Without Authority	0.6

Canadian Water Network (Ensuring Safe Drinking Water – 2016) – Steve Hrudehy	0.6
Canadian Training Group ARC Flash – Electrical Safety 2015	0.3

Capital H2O Systems Chemical Feed Systems & Cl2 Analyzers; Sizing, O & M (Metering Pump & Controller Training)	0.6
Capital H2O Systems Operations and Maintenance of Chemical Feed Equipment	0.3

Canadian Water Technologies and Dow Water & Process – Membrane Seminar	1.2
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Capital Safety

Fall Protection Authorized Person	0.4
Fall Protection Competent Inspector	0.4

Carver PA Corporation

Advanced Estimating & Scheduling (MES202)	1.8
Advanced Maintenance Planning & Asset Management (MP201)	1.8
Advanced CMMS Job Plan Building (JPB201)	1.2
Advanced Maintenance Shutdown Planning (MPL305)	1.8
Root Cause Failure Analysis & Maintenance (RCFA203)	1.2
Reliability Centered Maintenance (RCM201)	1.2

Cenovus Basic Water & Wastewater Course	0.6
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Certified Crane Training CCT

Overhead Crane and Hoist Operator Certification Course	0.3
Under 15 TON BOOM, PICKER Truck and Carry Deck Operator Cert Course	0.3
On-site Aerial Lift/Man Operator Cert Course	0.3

CD Industrial Group – Introduction to Control Logix PLC & RS Logix 5000	1.2
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CDM Smith Inc Anaerobic Digestion Workshop	0.5
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Chamco Introduction to Centrifugal Pumps Seminar (1 day)	0.6
Chamco Municipal Water and Waste – Water Pumps and Systems	1.0

Chase Operator Training – Excavator, Backhoe, Skid Steer, Wheel Loader	0.5
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Chinook College Supervisory Training & Responsibility (Course #37221)	1.5
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Town of Claresholm – Manager Training - Respectful Workplace	0.5
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Clarity Multimedia – Personal Protective Equipment (PPE)	0.0
Clarity Multimedia – WHMIS Your Safety Net	0.2

Chloramination & Nitrification Workshop (AE for RMWB)	0.6
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Clow Canada Fire Hydrant Maintenance & Repair Seminar	0.3
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CNRL Lock Out Tag Out	0.4
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Confined Space Entry (Any one Day)	0.5
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Colorado School of Mines – Microtunneling Short Course (for WD and WWC Operators only)	2.0
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ConAgra Foods Ltd. Key Concepts of Safety	1.0
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Con Tech Safety and Training

Aerial Platforms Safety Orientation for Water & Wastewater Operators Level I (CEUs limited to WD/WWC operators)	0.4
Backhoe Safety Orientation for Water & Wastewater Operators Level I (CEUs limited to WD/WWC operators)	0.4
Boom/Crane Truck Safety for Water & Wastewater Operators Level I (CEUs limited to WD/WWC operators)	0.4
Confined Space Entry Code of Practice Level I	0.3
Confined Space Entry for Water & Wastewater Employees Level II	0.6
Confined Space Entry/Rescue for Water & Wastewater Employees Level III	1.2

Fall Protection Orientation for Water & Wastewater Employees Level I	0.3
Fall Protection Orientation for Water & Wastewater Employees Level II	0.6
Fall Protection Orientation for Water & Wastewater Employees Level III	1.0
Fire Awareness for Fire Extinguisher for Water & Wastewater Employees	0.3
Forklift Safety Orientation for Water & Wastewater Operators Level I (CEUs limited to WD/WWC operator)	0.4
Hazardous Assessment and Safe Work for Water and Wastewater Employees	0.6
Hazardous Spill Response and Clean Up for Water & Wastewater Employees	0.6
High Voltage Electrical Safety for Water & Wastewater Employees	0.3
High Voltage Electrical Safety for Water & Wastewater Employees Level II	0.6
High Voltage Electrical Safety for Water & Wastewater Employees Level III	1.0
Hoisting & Rigging for Water & Wastewater Employees Level II	0.6
Man lift Safety Orientation for Water & Wastewater Operators (CEUs limited to WD/WWC operators)	0.4
Overview of the Electrical and Water Utility System in Alberta	1.0
Overview of the Water and Wastewater Utility Systems	1.0
Overview of the Water Utility	0.6
Rigging for Overhead Track Crane Water & Wastewater Operators Level III	1.2
Rigging for Water & Wastewater Operators III	1.2
Rigging Safety Orientation for Water & Wastewater Employees Level I	0.3
Rough Terrain Forklift Safety Orientation for Water & Wastewater Operators (CEUs limited to WD/WWC operators)	0.4
Rubber Tire Front End Ladder Safety Orientation for Water & Wastewater Employees Level I (CEUs limited to WD/WWC operators)	0.4
Skid steer Safety Orientation for Water & Wastewater Operators Level I (CEUs limited to WD/WWC operators)	0.4
Trenching and Shoring Level II	0.6
Trenching Rescue Level III	1.0
Trenching Safety Level I	0.3
Crosby Group Hoisting & Rigging	0.5
Cross Connection Control Institute – AWWA Cross Connection Control Specialist	3.0
Crafting Water Sensitive Communities 2012	0.6
Cranemasters Overhead Crane & Rigging Course	1.0
CSA Group Effective Solutions Using Root Cause Analysis Techniques	0.6
CWWA 13 th National Conference (2010) & 4 th Policy Forum on Drinking Water (2010)	1.0
Danatec TDG On-line Training	0.3
Danatec WHMIS On-line Training	0.3
David H. Paul Inc. – Optimal Design & Operation of RO Systems 2012	1.2
David H. Paul Inc. – Operation, Control & Maintenance of RO Units 2012	1.2
David H. Paul Inc. – Reverse Osmosis Monitoring & Troubleshooting 2012	0.5
David H. Paul Inc. – Reverse Osmosis Operation & Maintenance 2012	0.5
David H. Paul Inc. – Membrane Filtration & Membrane Bioreactors 2012	0.6
Darcy Dragonetti – Level II WD Prep Summary	1.5
Darcy Dragonetti – Level II WWC Prep Summary	1.5

Daytec Education Services TDG Training Course	0.3
Defensive Driving – ANY -	0.0
Truck Driving – ANY	0.0
DBS Environmental Awareness Training of Spill Response and Waste Material Handling	0.3
DNV GL Business Assurance – Modern Safety Management	1.0
DYNAMO Equipotential Bonding for Hydro-Vac	0.3
Echologics Engineering Inc. (echo logics) Water Leak Detection Course	1.2
Echologics Engineering Inc. Water Leak Detection Listening Course.	0.6

Edmonton Waste Management Centre of Excellence

Activated Sludge: Lab Analysis & Troubleshooting 2015	0.5
Advanced Biological Nutrient Removal & Troubleshooting	0.6
Anaerobic Digestion	1.2
Basics of Biologic Nutrient Removal (BNR) Operations	1.2
Becoming a Master Instruction (NAIT) Level I	0.3
Biosolids Management 2010	1.2
Biosolids: Beneficial Re-Use (2016)	0.6
Edmonton Waste Management Centre of Excellence/AWWOA/ACRWC Dissolved Air Flotation (DAF) Operations	1.2
Enhanced Primary Treatment of Wastewater	1.0
Environmental Compliance for Alberta Wastewater Operators	0.6
Foremanship Practical Approaches to Management	1.2
Level 3 & 4 Wastewater Treatment Certification Preparation Course	1.3
Math Webinar - Level III/IV Cert Prep	0.3
Membrane Filtration Seminar: Introduction and Application	1.2
Odour Control Technical Seminar	0.6
Primary Sludge Fermentation: Theory, Operation & Troubleshooting	1.0
Pumps and Blowers 2012	1.2
Reading P & ID's 2012	0.6
Risk Management and Job Hazard Analysis	0.6
Source Control 2010	1.2
Wastewater Disinfection Course 2014	0.6

Emergency Management Alberta – Emergency Management (3 day advanced) Course	1.0
Emergency Management Alberta – Emergency Operations Centre Training Course (1 day)	0.3

Environmental Biotech Canada – Bylaw Officers and Inspector Program for FOG Pretreatment	1.0
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Environmental Leverage Inc. – Filamentous Identification the Easy Way	1.2
Environmental Leverage Inc - Two Day Wastewater Biological Operations	1.2

Enviro Measure Inc./Osprey Scientific Inc. – Environmental Field Analytics	1.2
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EPIC

Bidding, Evaluation, Negotiation & Contract Award Procedures	0.6
Boiler Water Treatment Technology	1.8
Fundamental of Supervision & Management 2013	1.2
Interpretation & Enforcement of Construction Contracts	1.2
Reverse Osmosis Technology – A Practical Course	1.2

EAPUOC 2011 Safety Seminar	0.3
EAPUOC 2013 Safety Seminar	0.5

ESPS ELECTRICAL SAFETY PROGRAM SOLUTIONS INC.

½ day workshop Electrical Safety Training – Arc Flash & Shock for non-electrical workers	0.3
1 day workshop Electrical Safety Training – Arc Flash & Shock for Electrical Workers	0.6
2 day workshop Electrical Safety Training – Arc Flash & Shock for Electrical Workers	1.2
Online Electrical Safety Training (ESTS)	0.3

FIRST AID – ANY COMPANY (2 day) FORMAT

First Aid (Current) one time only	1.2
First Aid (subsequent years or RENEWAL only, will not accumulate, for “credit only” – Cyclical training rule applies)	0.6
Mental Health First Aid	0.0

FIRST AID – ANY COMPANY (1 day) FORMAT

First Aid (Current) one time only IF NO OTHER FIRST AID ON FILE	0.6
First Aid (subsequent years or RENEWAL only, will not accumulate, for “credit only” – Cyclical training rule applies)	0.3

Ford Meter Box Co. Inc. – Pipe Repair – Using Repair Clamps Effectively (sponsored by the AWWOA)	0.6
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Fusion Safety Services Fall Protection	0.6
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Gateway Safety Services Overhead Crane Operation Training	0.6
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GENERIC TRAINING (if it is given by a training provider not already on this list) * cyclical rules apply**

Generic Confined Space Entry	0.5
Generic TDG	0.3
Generic TDG Clear Language	0.6
Generic WHMIS	0.3

GE Fanuc and Grey Matter Systems 2009 Water/Wastewater Workshop	0.5
GE Fanuc Intelligent Platforms Inc. Proficiency HMI/SCADA iFix Advanced Course	1.6
GE (Zenon) Water & Process Technologies – GE W & PT UF and RO Membrane and Mixed Bed Deionization O & M	1.2
GE (Zenon) Root Cause Analysis Training	0.3

Gescan Automation Group Complicity ME Logic Developer PLC Level I	12.
Gescan Automation Group Complicity PE Introduction Level I	0.9

GLC Control Inc - GCX-101 Fundamentals of Logix-5000 Systems	1.2
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Global Innovative Campus (GIC) 2013

Activated Sludge Processes for Wastewater Treatment	1.2
Advanced Oxidation Technologies (AOTs) for Water and Wastewater Treatment Workshop	1.2
Advanced Project Planning, Scheduling, Tracking and Control	0.0
Advanced Wastewater Treatment Design	1.8
Applied Program Management	0.0
Basics of API 682 Mechanical Seals	0.0
Design, Construction, and Rehabilitation of Culvers and Channels	1.8
Drinking Water Treatment Plant Design	1.2
Earned Value Project Management	0.0

Environmental Site Assessment	0.0
Evaluating & Implementing Sustainable Design Technologies for LEED Projects	0.0
Fundamentals of Project Management	0.6
Industrial Wastewater Treatment Methods	1.2
LEED Sustainable Design & Operation of Mechanical Systems in Buildings	0.0
Municipal & Urban Storm Sewer Drainage Systems Design	1.5
Optimized Product and Service Portfolios-Methods, Tools and Applications	0.0
Optimizing Biological Treatment Processes for the Removal of Nitrogen and Phosphorus Compounds	1.2
Piping Engineering Basics for Reliability, Maintenance & Field Engineers	0.0
Pipelines & Piping Inspection, Maintenance, Repair and Integrity	1.2
Piping System Fundamentals – Design Operation & Maintenance	0.6
Practical Pump Technology: Selection, Application, Operation, Troubleshooting, and Maintenance	1.2
Project Cost Estimating and Control	0.0
Project Management for Engineering Projects	0.0
Project Management Exam Preparation	0.0
Projects, Program and Portfolio Management	0.0
Project Risk Management	0.0
Pumping Stations Design and Retrofitting	1.8
Pumps, Valves, Actuators, Motors, and Variable Frequency Drives	1.8
Requirement of Materials by Piping Code ASME B31.3 Chapter III in a Process Plant Webinar	0.0
Sanitary Sewer & Stormwater Drainage Design Workshop	1.2
Sanitary and Storm Sewers, and Water Distribution Systems Design Workshop	1.8
Steam Power Plants and Combined Cycle Plants	0.0
Ultraviolet Disinfection for Water & Wastewater Treatment Workshop	0.6
Urban Drainage Design Workshop	0.0
Value Engineering and Value Analysis	0.0
Water Distribution Systems Design Workshop	1.2
Wastewater Collection System Design & Construction Workshop	0.6
Wastewater Treatment Process Auditing: Master Planning for Assets	1.2
Water and Wastewater Calculations for Engineers, Technicians, Operators and Non-Operators Using MS Excel Spreadsheets	1.2
Water & Wastewater Treatment	1.2
Water Quality Monitoring, Modeling, and Analysis Strategies for Practitioners	0.3
Workplace Health, Safety & Environment: A Practical Perspective	0.6

Global Training Centre

5-day Safety Training	2.4
Confined Space Pre-Entry	0.3
Confined Space Entry	0.5
Ground Disturbance Level II	0.6
Line Locating Tech. I	0.3

Graeme Faris – Wastewater Treatment Level III/IV Exam Prep (for RMWB)	2.8
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Grande Prairie Regional College

Confined Space Awareness & Rescue	0.6
Fall Protection	0.6
First Aid	1.2
H2S Alive	0.5
Light Duty Crane Picker Truck Operator	0.6
Powered Industrial Lift Truck Training	0.3
TDG	0.3
WHMIS Training	0.3

Grant MacEwen Community College/University (GMCC) (GMU)

Creating a Positive Work Environment (SUPR 0829)	0.3
Critical Thinking Skills (SUPR 0807)	0.3
Developing High Performance Teams (SUPR 0806)	0.3
Effective Communication for Supervisors (SUPR 0805)	0.3
Effective Conflict Management (PRDV 0806)	0.3
Effective Performance Appraisals (SUPR 0803)	0.2
Enterprise Analysis	1.5
Foremanship (GMCC for the City of Edmonton)	3.0
Management Studies Certificate Program (2012)	4.5
Odour Management Workshop 2012	0.6
Service Excellence (PRDV 0813)	0.3
The Art of Supervision (SUPR 0800)	0.3
Grant MacEwen/Keyano College – Project Management Certificate (2012)	3.0

Government of Canada- Water Quality 101: Potable Water Micro-System Fundamentals	0.8
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Hazard Alert Training O. H. & Regulation & Code	0.3
Hazard Alert Training Basic Incident Investigation	0.3

HSE Integrated Confined Space Entry Level II	0.6
HSE Respiratory Protection	0.4
HSE Worker Fall Protection	0.6

Hydraulic Safety Authority of Canada (HSAC) – Exposure Level Course 2013	0.6
Hydraulic Safety Authority of Canada (HSAC) – High Risk Maintenance Level Course 2013	1.2

H2S Alive (Any Training Provider)

H2S Alive (Any 1 day)	0.5
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Hach Sale and Services Canada LP

Introduction to Water Disinfection and Turbidity	0.6
Practical Methods for Testing Water I	0.6
Process Instrument Verification	0.6

Hatscan

Zero Injuries Best Practices	0.6
Zero Injuries Risk Assessment	0.6
Zero Injuries Behavioral Safety	0.6

Honeywell EXP-01 Experion PKS Fundamentals-Controller Operation R310	1.2
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Hetek Solutions - Water Loss Management – EPCOR sponsored	0.6
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ICI Electrical Engineering Ltd. Operator Training Workshop 2015	1.1
ICI Electrical Engineering Ltd. Operator Training Workshop 2016	1.2

ICON Safety Consulting Inc. – Hands on H2S and Hazardous Gas	0.6
ICON Safety Consulting Inc. - CSTS	0.6
ICON Safety Consulting Inc. – Industrial Fall Protection	0.3
ICON Safety Consulting Inc - Flagperson	0.3
ICON Safety Consulting Inc – Forklift Safety Training	0.5
ICON Safety Consulting Inc – Loader Operator Safety Training	0.5
ICON Safety Consulting Inc – Skid Steer	0.5

ICON Safety Consulting Inc - Telehandler	0.5
International Congress on Environmental Modelling and Software (2014)	0.3
International Institute for Learning Inc. – Project Management Certificate Program (2013)	3.0
iOnSafety Ltd. Forklift Training 2013	0.5
JFA Project Management Courses (Complete)	2.5
John Brooks/Gorman-Rupp Pump Maintenance Seminar (1/2 day)	0.3
John Crane Academy Sealing Systems	1.0
K & S Associates Process Systems Surveillance and Troubleshooting	0.9
KG Safety Services Confined Space Entry & Monitor	0.6
KG Safety Services Fall Protection	0.6
KG Safety Services Respiratory Training	0.6
KTI Limited/Sensus Canada - From Metering to AMR Meter Reading System	0.6
Kristian Electric Ltd. Overhead Crane Operator Training	0.4
Keyano College/Grant MacEwen University – Project Management Certificate (2012)	3.0
Lakeland College	
Environmental Contaminants SC336	2.0
Environmental Monitoring and Sampling SC352	1.8
FFTS – S400 Modules (Fire)	0.6
FFTS-S601 Basic Pumping Operations	0.9
Hazardous Materials – Operations Level	1.2
Hazardous Materials – Awareness Level 900a	0.6
Industrial Fire Brigade Interior Structural Level	1.0
Inorganic Chemistry (SC110)	2.0
Introduction to AutoCAD (QCOM 222) (2012)	1.0
Lakeland College Pesticide Applicators Core Course	0.6
Lakeland College Roots in Pipes Homestudy Course	1.0
Lakeland College Pesticide Applicator Biting Fly	0.6
Organic Chemistry SC200	2.0
Waste and Water Treatment SC316	1.9
Watersheds and Water Reuse	1.9
Bachelor of Applied Science: Environmental Management - 2 yrs. Post-Secondary	
Petroleum Operator Technician	20.0
Part I Fire Fighter (Also Vermilion College)	0.6
Lambton College Chemical Production & Power Engineering Technology	135.0
Leduc Safety Services Confined Space and Rescue	0.8
Learn-Rite Ground Disturbance Advance Level for Supervisors & Workers (WD/WWC Operators ONLY) - 2011	0.6
Learn-Rite TDG 2011	0.3
City of Lethbridge Water Treatment Plant Course	2.0

City of Lethbridge Combined AMHSA Training	0.6
Leavitt Machinery Forklift Training	0.3
LEHDER Environment Services Intro. To Environmental, Health & Safety Legislation and Reporting Requirements	1.2

Lethbridge Community College (LCC)

Assertiveness Skills	0.0
Basic Welding	0.0
Coaching & Developing Your People	0.3
Confined Space Entry	0.6
Conservation Enforcement	30.0
Dealing with Difficult People	0.3
Environmental Assessment & Restoration	45.0
Environmental Science – Watershed Management	45.0
Fall Protection	0.4
Fire Extinguisher Safety	0.0
Flag Person	0.2
Forklift Operator	0.3
Hiring for Success	0.3
High Angle Rescue (and Recertification)	0.0
Human Resource Management Skills	0.3
Intergenerational Workforce	0.3
MIG/TIG Welding	0.0
Renewable Resources	90.0
Skid Steer Operator (applicable for WD or WWC operators only)	0.3
Small Engine Repair	0.0
Stress Management	0.3
The Supervisory Role	0.3
Telehandler Operator	0.3
Time Management	0.3
WHMIS	0.3

Liftruck Training Institute of Canada – Fall Protection 2011	0.3
Liftruck Training Institute of Canada – Fork Lift Safety 2011	0.6

Locate Management (Alberta Hot Line) – Safe Digging	0.3
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Lorman Education Services – Current Issues in Storm Draining 2012	0.6
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Magna Electrical Corporation – Industrial Electrical Safety for Non-Electrical Workers	0.6
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Marshall Environmental Training & Consulting Group Filament Identification Course 2012	1.8
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MacKenzie Municipal Supply Services Agency

Municipal Engineering for Non-Engineers	1.2
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MMP Certification Program

Maintenance Management Professional (MMP Certification Program) offered at: Northern Lakes College (Slave Lake and Edson), Red Deer College, Bow Valley College – Calgary, Keyano College – Fort McMurray	12.0
TOTAL Certification Program	
Individual Modules as follows:	

Module 1	0.8
Modules 2 through 8 (each worth)	1.6

City of Medicine Hat

First Aid/H2S/WHMIS/TDG/AMHSA/ACSA courses CEUs awarded as issued by provider	
Aerial Boomlift Course	0.3
Coaching for Commitment	0.4
Coaching the Customer	0.4
Confined Space Entry and Rescue	1.0
Confined Space Entry and Rescue (2016)	0.6
Customer Service Training	0.5
Effective Meeting Leadership	1.0
Emergency First Aid (1 day)	0.6
Interpersonal Understanding using DISC Cannot get CEUs if completed the Leadership Program	0.7
Lift Truck Operation Training	0.3
Managing Health & Safety on Construction Sites	0.6
Overhead Crane Hoisting, Rigging, and Material Handling Operator Course (All Canadian Training Inst)	0.6
Personal Mastery/Personal Leadership Program	7.0
Respiratory Protection Program	0.2
The Art of Science of Project (Dare to DREAM)	1.0
Work Group Leader Program	4.5
Writing for Influence	0.4
Writing for the World of Work	0.4

Medicine Hat Community College

Introduction to Surveying/Leveling	0.6
Environmental Science – Watershed Management	45.0

Malvern Instruments – Zetasizer Nano e-learning Course (Zeta Potential)	0.6
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Microsoft Computer Training

Excel (any level)	0.0
Word (any level)	0.0
Access (any level)	0.0
Outlook	0.0
PowerPoint	0.0

Millcreek Management Technologies Trenchless Rehabilitation & New Pipe Installation Technologies 2011	0.5
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Military Courses

Civilian Laboratory Procedures Training Course	15.5
Civilian Petroleum, Oils & Lubricants Maintenance Course	6.0
DND 1 day Math Refresher	0.6
Essentials to Managing in Public Service G110	1.5
Marine Emergency Duties Training Course	0.3
P107 Informal Discussion	0.0
Primary Leadership Qualification	5.0
Apprenticeship Course	53.0
Journeyman Course	33.0
WFE (WSPOL) Tech QL 6A (TQ6A)	25.0
Theories, Techniques and Tools of Supervision (G501)	3.0
Construction Engineering Superintendent QL6B	56.0
Workshop on Drinking Water & Wastewater 2011	0.6

Writing Skills Level 2	0.6
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Mission Safety Fall Protection	0.6
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Mission Safety Confined Space Entry	0.6
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Mount Royal College

Bachelor of Applied Industrial Ecology - 4 years of Post-Secondary Education
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Environmental Technology Diploma - 2 years of Post-Secondary Education
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Foundations for Leadership (2012)	2.1
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Pillars of Management	4.5
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Project Management Extension Certificate – Classroom (2012)	3.0
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Project Management Online, Module 1 Overview & Initiating Process (2012)	0.0
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MTAA Boiler Operation & Maintenance Course.	1.6
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MTS Maintenance Training Systems

Advanced Wastewater Math	0.4
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Backflow Assembly Tester Certification (2012)	2.4
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Backflow Assembly Tester Refresher	0.7
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Backflow Assembly Trouble Shooting & Repair	0.7
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Basic Math (Disinfection)	0.3
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Basic Math (Water System Flushing)	0.3
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Chlorine Handler Refresher	0.7
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Confined Space Awareness	0.7
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Confined Space Entry Operations Level	2.4
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Control Valve Troubleshooting & Repair	0.7
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Cross Connection Awareness	0.7
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Cross Connection Control Inspector Certification	3.0
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Cross Connection Control for Admin and Support	0.6
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ERP Emergency Response Plan Development	0.7
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Excavation and Trench Safety	0.3
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Fire Hydrant Maintenance & Repair	0.7
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Hot Tapping	0.6
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Hydrostatic Pressure Testing	0.7
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Hypo Chlorination	0.7
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Leak Detection	0.7
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Maintenance Management Program	1.2
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Operator Safety & Equipment Awareness	0.7
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Pump Operations & Maintenance	1.4
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Reservoir Cleaning & Maintenance	0.7
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Small Water Systems (Not approved as Small Water Systems Training Requirement)	1.4
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Time Management	0.3
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Valve & Appurtenance Operations & Maintenance	0.7
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Wastewater Collection Level 2	2.7
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Wastewater Treatment Level 2	2.7
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Wastewater Treatment Level 3	2.7
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Water Distribution Level I (<i>Not approved as Entry Level Training Requirement</i>)	3.0
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Water Distribution Level 2	2.7
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Water Distribution Level 3 / 4	2.7
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Water Main Break	0.3
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Water Main Repair & Disinfection	0.7
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Water Sampling Orientation	1.0
Water System Orientation	0.7
Water System Repair Maintenance	0.6
Water Treatment Level 2	2.7
Water Treatment Level 3 / 4	2.4
Water Well Maintenance	0.7

Mueller Canada – Valve & Fire Hydrant Operation, Maintenance & Repair	0.3
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NAAPI CCTV Reviewers Course (Course #1)	1.0
NAAPI CCTV (Course #2)	1.0
NAAPI A Guide to the Inspection, Assessment and Rehabilitation of Sewer Service Laterals	0.6
NAAPI Sewer Condition Classification Course	1.5

NACE Basic Corrosion	3.0
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NAIT (General Courses)

Applied Fluid Mechanics	4.0
Basic Incident Command System	0.9
Business Management Certificate Program	16.0
Civil Engineering Technology	90.0
Crane and Hoisting Equipment Operator (Boom Truck) for WD and WWC Operators Only	6.0
Computer Applications CIV160	1.2
Drafting & AutoCAD Fundamentals CIV145	1.2
Effective Communication ASE 140, ASE350, ASE580 (completion of ALL)	3.6
Effective Communications I ASE116	1.2
Electrical Updating – Industrial Main. Multiskilling Program Electrical Strand) SMM378 (For EPCOR/Edmonton)	2.0
Electrician (Journeyman Ticket)	10.0
Estimating I CON270	4.0
Estimating I CIV270	0.8
Finance for Non Financial Managers	1.0
Forestry Technology	25.0
Gas Utility Operator	2.4
Geomatics (Surveying) Engineering	45.0
Hydraulics & Blue Print Reading WWW 112	5.0
Instrument Technician	45.0
Instrumentation Technology <i>Individual Courses as follows:</i>	
▪ Basic Instrumentation 1ET110	4.0
▪ Process Measurements 1ET210	4.0
▪ Instrumentation Workshop 1ET220	2.5
▪ Applied Science 1ET260	4.0
▪ Computer Fundamentals 1ET240	4.0
▪ Basic Electrical EET120A	4.0
Introduction to Project Management PMC101	1.2
Introduction to Project Management PMGT101	0.6
Introduction to Incident Command System	0.3
Labour Relations	4.2
Materials Engineering Technology	45.0
Personal Skills Introduction to Management	3.6
Plumbing Drainage Basics for Drainage Operations	1.2
Productivity Improvement PMGT102	0.6

Project Communications Management PMC108	1.3
Project Cost Management PMC107	1.3
Project Management Tools TMGT106	0.9
Project Scope Management PMGT104	0.9
Project Time Management PMFT105-A01	0.9
Pulp & Paper Technician Correspondence Course	6.0
Simply Accounting Level I - 2010	0.7
Soil Mechanics I CIV150 AND Soil Mechanics II CIV250	0.0
Standard Operating Procedures	0.6
Team Building & Facilitative Leadership PMGT103	0.9
Working with Ideas GFS102	1.3
Working with Numbers GFS103	1.3
Working with Teams GFS104	1.3

NAIT Water & Wastewater Technician Course

Graduate of the NAIT Water & Wastewater Technician Program (fulltime) with satisfied attendance requirements	90.0
Graduate of the NAIT Water & Wastewater Technician Program (fulltime) without satisfied attendance requirements	45.0
Graduates of the NAIT Water & Wastewater Technician Program will NOT get additional CEUs for the completion of the following courses	
<ul style="list-style-type: none"> ▪ AWWOA Pumps; Theory, Operation & Maintenance (Pump Workshop) ▪ AWWOA Small Systems Water and/or Wastewater Courses (classroom or homestudy) ▪ All CSU Sacramento Courses indicated with an asterisk * ▪ WEF Wastewater Treatment Introductory (AWWOA or otherwise) ▪ WEF Wastewater Treatment Intermediate (AWWOA or otherwise) ▪ WEF Rotating Biological Contactor (RBC Course) (AWWOA or otherwise) ▪ NAIT WWW52, WWW58, WWW51, WWW57, WWW101L, WWW103L, WWW201L, WWW203L, WWW213L, 	

NAIT Water & Wastewater Courses

Advanced Water Distribution (WWWT311)	4.0
Advanced Water Treatment (WWWT321)	4.0
Advanced Wastewater Collection (WWWT331)	4.0
Advanced Wastewater Treatment (WWWT341)	4.5
Blue Print Reading WWW53	2.1
Business Skills for Water/Wastewater Operators (WWWT303)	3.5
Chemistry WWW56	2.6
Communications I COMM1101	1.5
Computer Software WWW140	3.0
Electricity WWW52 (Part of WWW110, if NAIT Grad or previously took WWW110 Not eligible for additional CEUs)	1.2
Emergency Response Planning for Water/Wastewater Operators (WWWT301)	3.5
MS Excel WWW58 (Part of WWW140, if NAIT Grad or previously took WWW140 Not eligible for additional CEUs)	1.5
Hydraulics Part I WWW54	2.0
Hydraulics Part II WWW55	2.0
Hydraulics and Blueprint Reading WWWT112 (Effective Sep. 1, 2015)	4.5
Industrial Waste Treatment (WWWT351)	4.5
Intermediate Water Distribution (WWWT1211)	6.0
Intermediate Water Treatment (WWWT1221)	9.0
Intermediate Wastewater Collection (WWWT1231)	6.0
Intermediate Wastewater Treatment (WWWT1241)	9.0
Introduction to Process Controls (WWWT1203)	4.5

Introduction to Process Controls (WWWT210) effective Feb. 1, 2016	4.5
Introductory Financial Accounting ACCT1115	1.5
Introduction to Jar Testing – Part I SRE192 (2012)	0.6
Math and Chemistry for WW Operators (WWWT1101)	4.5
Math WWW 51 (Part of WWW110, if NAIT Grad or previously took WWW110 Not eligible for additional CEUs)	1.2
MS Word WWW57 (Part of WWW140, if NAIT Grad or previously took WWW140 Not eligible for additional CEUs)	1.5
Pumps and Fluid Dynamics (WWWT1201)	10.5
Safety Awareness for Water/Wastewater Operators (WWWT300)	3.0
Science & Electricity WWW110	4.0
Science & Math for W&WW Technicians WWWT110	4.5
Standards and Regulations for Water/Wastewater Operators (WWWT305)	3.5
Supervisory Skills for Water/Wastewater Operators (WWWT302)	3.5
Surveying and Blueprint Reading (WWWT1102)	4.5
Support Systems WWW203	9.0
Support Systems WWWT203 WWWT103 (renamed from above Jan 1, 2014 and starting Sep. 1, 2015 – less CEU's)	4.5
Sustainable Operations for Water/Wastewater Operators (WWWT306)	3.6
Technical Communications for Water/Wastewater Operators (WWWT304)	3.5
Wastewater Collection Foundations (WWWT1131)	6.0
Wastewater Collection WWW103	6.0
Wastewater Collection WWWT103 (renamed from above Jan 1, 2014 and starting Dec 1, 2015 – less CEU's)	4.5
Wastewater Collection WWW213	5.0
Wastewater Collection WWWT213 (renamed from above Jan 1, 2014 and starting Apr. 1, 2016 – less CEU's)	4.5
Wastewater Laboratory Analysis I (New 2006/07)	1.6
Wastewater Laboratory Analysis II (New 2006/07)	1.2
Wastewater Treatment Foundations (WWWT1141)	9.0
Wastewater Treatment I WWW104	9.0
Wastewater Treatment I WWWT104 (renamed from above Jan 1, 2014 and starting Feb. 1, 2016 – less CEU's)	4.5
Wastewater Treatment II WWW204	9.0
Wastewater Treatment II WWWT204 (renamed from above Jan 1, 2014 and starting Apr. 1, 2016 – less CEU's)	4.5
Water and Wastewater Course (2017 on-line Con-Ed)	3.0
Water & Wastewater Laboratory Analysis II WWW117	2.0
Water Distribution Foundations (WWWT1111)	6.0
Water Distribution Principles and Practices Part I WWW901	1.8
Water Distribution Principles and Practices Part II WWW902	1.8
Water Distribution Principles and Practices Part III WWW903	1.8
Water Distribution Principles and Practices Part IV WWW904	1.5
Water Distribution I WWW101	6.0
Water Distribution I WWWT101 (renamed from above Jan 1, 2014 and starting Feb. 1, 2016 – less CEU's)	4.5
Water Distribution II WWW201	6.0
Water Distribution II WWWT201(renamed from above Jan 1, 2014 and starting Apr. 1, 2016 – less CEU's)	4.5
Water Distribution Field Operation – Hydrants and UDF SRE190	1.2
Water Laboratory Analysis I (New 2006/07)	2.0
Water Laboratory Analysis II (New 2006/07)	1.2
Water Treatment Foundations (WWWT1121)	9.0
Water Treatment I WWW102	8.0
Water Treatment I WWWT102 (renamed from above Jan 1, 2014 and starting Dec. 1, 2015 – less CEU's)	4.5
Water Treatment II WWW202	9.0

Water Treatment II WWWT202 (renamed from above Jan 1, 2014 and starting Dec. 1, 2015 – less CEU's)	8.7
Work Experience and Computers (WWWT1181)	6.0
*WWW101L (if completed WWW 101 previously no additional CEUs are awarded)	0.6
*WWW101L changed to WWWT111 on Jan 1, 2014	0.6
*WWW103L (if completed WWW 103 previously no additional CEUs are awarded)	0.6
*WWW201L (if completed WWW 201 previously no additional CEUs are awarded)	0.6
*WWW201L – changed to WWWT211 on Jan. 1, 2014	0.6
*WWW203L (if completed WWW 203 previously no additional CEUs are awarded)	1.2
*WWW203 L –changed to WWWT233 on Jan 1, 2014	1.2
*WWW213L (if completed WWW 231 previously no additional CEUs are awarded)	0.6

*subject to AEP cyclical training rule

NASSCO Inc. Pipeline Assessment and Certification Program (applies to WD and WWC operators only)	1.0
NASSCO Inc. Pipeline Assessment & Certification Program (PACP) updated 2011	1.2
NASSCO Inc. Pipeline Assessment & Certification Program (PACP) updated 2011 (Re-Cert)	0.6
NASSCO Inc. MACP and LACP	0.6

NGInc.

Developing and Implementing a Unidirectional Flushing Program	0.6
Math for WWC Operator	0.6
Math for WD Operator	0.6
Nutrient Removal	0.6
Pump & Systems Hydraulics for Operators 2012	1.2
Fire Hydrant Flow Testing 2012	0.6
Water Distribution Level II Prep Course 2013	0.6
Wastewater Collection Level II Prep Course 2013	0.6

Noria Fundamentals of Machinery Lubrication	1.4
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North American Society for Trenchless Technology Good Practices Seminar	0.5
North American Society for Trenchless Technology NASTT Laterals Good Practices	1.2
North American Society for Trenchless Technology NASTT Horizontal Directional Drilling Good Practices	0.6

North Safety North Respirator Train the Trainer Course	0.2
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Northern Lakes College

Advanced Communication AL120	1.2
Behavioral Safety – Creating a Safety Culture	0.6
Communication Getting the Message Across	1.0
Effective Supervision Directing, Coaching & Facilitating Employees	1.0
Emergency Response for Supervisors	0.6
Facilitation Skills AL130	1.2
Getting Things Done AL150	1.2
Hazard Assessment Control (2 days)	1.0
Incident Reporting & Investigation (2 days)	1.0
Intervention Managing Employees with Personal Problems	1.0
Leadership Giving Employees What They Need	1.0
Leadership New Ideas for the Leading Edge AL 100	1.2
Level I Water Treatment/Distribution Preparatory Course <i>*not approved for mandatory entry level training</i>	1.2
Level I Preparatory Course (Live on-line lecture delivery) <i>*approved for mandatory entry level training</i>	5.0
Level I Preparatory Course (WT/WD) only (Live on-line lecture delivery)	3.2
Level I Preparatory Course (WWT/WWC) only (Live on-line lecture delivery)	3.2
Level II Preparatory Course (Live on-line lecture delivery)	5.0
Level II Preparatory Course (WT/WD) only (Live on-line lecture delivery)	3.2

Level II Preparatory Course (WWT/WWC) only (Live on-line lecture delivery)	3.2
Northern Lakes College Practical Nurse	5.0
O H & S Legislation & Due Diligence (2days)	1.0
Performance Management Optimizing Results	1.0
Resolving Conflict Reaching Agreement at Work	1.0
Setting Team Goals AL140	1.2
Staying Positive Rewarding & Energizing Employees	1.0
Team Harmony AL110	1.2
Work Site Inspections	0.6
Worker Competency – The Rose of Orientation & Training	0.6
Working Together Building Effective Relationships in your Workplace	1.0

NorQuest College – Lagoon Specialist Course	0.6
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Norwood Waterworks Training Sessions (March 2010 Calgary and Edmonton)	0.3
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NOVA Chemical Training

Environmental Awareness 2 (renamed in 2017 RC Environmental Awareness Plant – Joffre)	0.3
Fall Protection (renamed in 2017 Fall Protection – The Right Connection – Joffre)	0.3
First Aid	1.2
First Aid/CPR Requalifer (can only be used for renewal “credit”)	0.6
OH & S Regulations & Guidelines (no longer available 2017)	0.3
Ops Site Emergency Response Training Day 1 *2018 called Ops Red Deer Fire Training Day 1	0.3
Ops Site Emergency Response Training Day 2	0.0
Permit Issuer/Receiver (renamed in 2017 – Safe Work Permit)	0.6
Safe Start Modules 1-5 (must complete all 5)	0.5
Unit Operations Leader (renamed in 2017 - Unit Operations Leader Training)	1.2
Unit Operations Leaders refresher	0.3

Nova Scotia Community College Environmental Engineering Technology – Water Resources – 2 years Post-Secondary

Occupational Health & Safety Confined Space Entry (Any one Day)	0.5
Occupational Health & Safety Asbestos Worker	0.6

OETC Spills in Canada (online e-training course)	0.5
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Okanogan College Water Technician Program (Okanogan University College – Water Quality)	90.0
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Olds College – Land Sciences Program OR Composting Diploma	22.0
Olds College – Ornamental Horticulture	10.0
Olds College – Land Agent Diploma	14.7
Olds College – Geographic Information Systems Program	12.5
Olds College - Land and Water Resources Diploma - 1 year of Post-Secondary Education	

Oregon State – Conducting an Accident Investigation	0.4
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OVIVO MBR 9 th Annual Workshop 2014	0.9
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PA Carver

TSPS 201 – Process Troubleshooting & Problem Solving	0.6
OE201 Principles of Operational Excellence	0.6
OE202 Resource & Cost Management for Operations	0.3
PDM305 Implementing Predictive Maintenance	0.6

OE303 Advanced Machine Management for Operators 2013	0.4
AME101 Asset Management Essentials 2013	0.4
MPE&S101 Introductory Planning, Estimating & Scheduling Concepts 2013	0.4
CSU203 Commissioning & Start-up Planning Practices 2013	0.4
IWM301 Introduction to Industrial Warehouse Concepts and Practices 2013	0.4
SPS&E101 Small Project Estimating and Scheduling Skills 2013	0.4
MHM301 Machine Health Management 2013	0.4
VMA201 Vibration Monitoring and Analysis 2013	0.4
MSP150 Introduction to MS Project Software Tool 2013	0.4
MSP210 Advanced MS project Software Tool 2013	0.4

Plumbing (Journeyman)	45.0
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Performance Group Face to Face Leadership	2.4
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Portage College (2012)

Airbrakes (AB Infrastructure)	0.0
Aerial Platform (LiftTruck)	0.3
Confined Space (OSSA)	0.5
Construction Safety Training System CSTS Online (ACSA)	0.6
Construction Safety Training System Upgrade Online (ACSA)	0.4
Defensive Driving (Any)	0.0
Emergency Medical Responder	1.2
Fall Protection (Fall Protection Group)	0.6
First Aid – Standard/CPR (EMP Canada)	1.2
First Aid – Emergency/CPR (EMP Canada)	0.6
Flag Person	0.2
Forklift (LiftTruck)	0.3
Fundamentals of Water Distribution (WWOT 120)	3.0
Fundamentals of Water Treatment (WWOT 125)	3.0
Fundamentals of Wastewater Collection (WWOT130)	3.0
Fundamentals of Wastewater Treatment (WWOT135)	3.0
WWOT 140 (Applied Project)	0.7
Ground Disturbance – Level 2 (Global Training Centre)	0.6
H2S Alive (ENFORM)	0.5
Ion Exchange WPTO106	2.5
*Know Your Water Systems (WWW101A)	0.5
*Know Your Water Systems (WWW101A) ONLINE	0.36
Lime Softening WPTO105	4.5
Maps, Blueprints and Drawings	1.0
Math and Chemistry for Water and Wastewater Operators	2.5
Overview of the Thermal Heavy Oil Industry WPTO101	0.0
Phase Separation and Oil Treatment WPTO102	0.0
*Pipes, Pumps & Valves: Potable & Wastewater Treatment Support Systems (WWW101D)	0.5
*Pipes, Pumps & Valves: Potable & Wastewater Treatment Support Systems ONLINE	0.36
*Potable Water Treatment (WWW101B)	0.5
*Potable Water Treatment (WWW101B) ONLINE	0.36
Road Builders Safety Training System Online (ACSA)	0.3
Skid Steer – Operator (Portage) – WD and WWC Operators Eligible ONLY	0.4
TDG Online (Portage)	0.3
TDG/WHMIS (Portage) – 1 day (both)	0.6
The de-oiling Process WPTO103	0.0
*The Underground System: Potable Water Distribution & Wastewater Collection (WWW101E)	0.5
*The Underground System: Potable Water Distribution & Wastewater Collection (WWW101E) ONLINE	0.36

*Wastewater Treatment (WWW101C)	0.5
*Wastewater Treatment (WWW101C) ONLINE	0.36
Water sources, Quality, & Recycle Requirements WPTO104	2.5
Water Quality for Water and Wastewater Operators (2016)	1.5
WHMIS Online (Portage)	0.3
*Completion of ALL 5 courses – Potable and Wastewater Systems Management (WWW101) Classroom is approved for the AEP Mandatory Entry Level Training for Level I Certification.	2.5
*Completion of ALL 5 courses – Potable and Wastewater Systems Management (WWW101) On-line version is approved for the AEP Mandatory Entry Level Training for Level I Certification	1.8

Power Engineering Stream – To receive CEU credit you must submit a copy of the **Course Completion Certificate (Alberta Certification Certificate will not be accepted)**

Classroom Training Completed PRIOR to September 1998.	
5 th Class Power	3.0
4 th Class Power (Steam)	9.6
3 rd Class Power	3.0
2 nd Class Power	3.0
1 st Class Power	10.0
Classroom Training Completed AFTER September 1998.	
5 th Class Power	21.6
4 th Class Power (Steam)	44.7
3 rd Class Power	38.0
2 nd Class Power	24.0
1 st Class Power	19.2

Correspondence Course Format Completed AFTER September 1998	
5 th Class Power	5.0
4 th Class Power (Steam)	20.0
3 rd Class Power	20.0
2 nd Class Power	15.0
1 st Class Power	10.0
Power Engineering Technology - 2 years Post-Secondary	
Power Engineering Technician - 1 year Post Secondary	
*Fireman's Ticket	9.0
**Building Operator A	8.6
**Building Operator B	7.6
**The courses/CEUs cannot be added together, the CEUs for the highest achieved will be given	

Pumper & Cleaner Environmental Expo	CEUs are awarded based on Tracked Attendance and session relevance
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Ramtech Environmental Products Trojan UV Swift SC Operator Training	0.3
Ramtech Environmental UV 3000 Operator Training	0.3
Ramtech Environmental Trojan UV 3000 Plus Operator Training	0.3
Red Deer In House Training UV Technology and Equipment	0.3

REGIONAL MUNICIPALITY OF WOOD BUFFALO

Respectful Supervision	0.4
Verbal Judo	0.4
Respectful Workplace	0.4

Rev Engineering Arc Flash Safety Training	0.3
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Rockwell Automation – RSLogix 5000 Level 1: Control Logix System Fundamentals	0.3
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Rockwell Automation – PLC-5/SLC 500 and RS Logix Fundamentals	0.3
Rockwell Automation – RSLogix 5000 Level 2: Basic Ladder Logic	0.3
Rockwell Control Logix Modules 1 – 4 2013	1.6

RUSA

Annual Conference 2010	0.6
2010 AWWOA Municipal Well Operation and Maintenance Course.	0.3
2010 AMHSA's - Hazard Identification, Assessment and Control Course	0.3
Annual Conference 2011	0.6
2011 Pump Hydraulics Workshop	0.4
2011 RUSA/AMHSA Safety Inspection Course	0.3
2011 First Aid Emergency Level A (cannot be used if First Aid already taken)	0.3
Annual Conference 2012	0.6
2012 AMHSA Confined Space Entry Course	0.3
2012 AMHSA Workplace Violence Prevention Course	0.6
2012 DWSP Workshop – no information at this time	0.0
2013 RUSA Conference	0.0
2014 RUSA Conference	0.3
2014 AMHSA Defensive Driving Workshop	0.0
2014 Standard Operations Procedures	0.5
2014 Trench & Excavation- Qualified and Competent Person Training	0.5
2015 RUSA/ACSA Conference	0.6
2015 RUSA/Global Hazmat Chemical Hazards in the Workplace Workshop	0.6
2016 RUSA/AMHSA/ACSC Conference	0.6
2017 RUSA Conference	0.6
2018 RUSA Conference	0.6
Working with Pressure Relief Valves	0.6
WCB Employer Information and Return to Work	0.6
Everything DiSC Supervisor/Team Lead Skills	0.6

Sacramento (California State University – Sacramento Homestudy)

Please note: California State University Sacramento Course Completion Certificates do NOT necessarily reflect the CEU amount that Alberta has approved for them. Several courses have been reviewed and CEUs awarded for less than the published amount.	
Advanced Waste Treatment*	9.0
Collection System Methods for Evaluating and Improving Performance	3.0
Collection System Operation and Maintenance (Video Course)	0.6
Industrial Waste Treatment Volume I	3.0
Industrial Waste Treatment Volume II	3.0
Manage for Success	4.5
Membrane Bioreactors	0.6
Operation & Maintenance of Wastewater Collection Systems Volume I *	4.5
Operation & Maintenance of Wastewater Collection Systems Volume II*	4.5
Pretreatment Facility Inspection*	6.0
Pretreatment Facility Inspection Training Videos – Not evaluated at this time	0.0
Small Water Systems Volume I	4.5
Small Water Systems Volume II	4.5
Small Water Systems Operation & Maintenance Course** NOTE Operators who also take the WAT 702 Series of Courses will NOT get any additional CEUs	4.9
Small Water Systems Video Information Series	1.2
Small Water Systems WAT702B Wells	0.9
Small Wastewater Systems Operation and Maintenance Volume I	4.5
Small Wastewater Systems Operation and Maintenance Volume II	4.5
Treatment of Metal Wastestreams*	2.5

Treatment of Wastewater for Electroplating Metal Finishing & Printed Circuit Board Manufacturing*	2.5
Utility Management after 2003	2.0
Utility Management prior to 2003	4.5
Water Distribution System Operation & Maintenance	4.5
Water Distribution System: O & M Activities WAT703D	0.9
Water System Operation and Maintenance (Video Course)	3.0
Water Treatment Plant Specialist	22.5
Water Treatment Volume I*	9.0
Water Treatment Volume II*	9.0
Wastewater Treatment Volume I*	9.0
Wastewater Treatment Volume II*	9.0
WAT703B Facilities	0.9

Safe Start	1.2
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Safety Buzz – Confined Space	0.6
Safety Buzz – H2S Alive	0.5

SAFETY TRAINING CENTRE

Confined Space Entry	0.4
Ground Disturbance	0.5
H ₂ S Alive	0.5
TDG	0.3
WHMIS	0.3

SAI Global – Corrective & Preventative Action (CAPA) Course	0.5
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SAIT

Advanced Environmental Considerations ENVS470	4.5
Analytical Chemistry CHEM275	2.2
Analytical Laboratory Skills CHEM276	6.0
Applied Analytical Instrumentation I INST390	3.0
Applied Analytical Instrumentation II INST395	8.8
Applied Industrial Organic Chemistry CHEM330	1.4
Applied Management Certificate Program	18.0
Applied Microbiology Techniques MBIO375	2.4
Basic Laboratory Techniques CHEM270	18.0
Biology/Field Ecology BIOLO201	1.5
Chemistry 210	6.4
Chemistry and the Environment CHEM242	7.5
Chemical Instrumentation INST290	3.5
Chemical Instrumentation II INST295	3.3
Chemical Safety SAFE280	2.8
Control Logix 1 – CMPC 204	3.5
Data Interpretation DATA201	0.0
Ecosystems & Environmental Impact Assessment ENVS236	3.0
Emergency Medical Technician	1.2
Engineering Graphics Technology (Drafting)	90.0
Engineering Drafting & Design	90.0
Environmental Chemistry I ENVS260	4.5
Environmental Chemistry II ENVS360	3.0
Environmental Considerations ENVS402	4.5
Environmental Law & Regulation ENVS229	4.5
Environmental Microbiology ENVS375	6.4

Environmental Sampling & Analysis ENVS242	5.0
Environmental Science/Ecology ENVS320	2.3
Environmental Technology Program	90.0
Field Safety ENVS250	2.8
General Chemistry (CHEM240)	6.0
Geology GEOL230	6.0
Heavy Equipment Technician	45.0
Hydrology/Hydrogeology GEOL235	6.0
Industrial Chemical Testing CHEM350	1.0
Industrial Instrumentation Section 1	15.0
Industrial Instrumentation II (INST250)	12.6
Industrial Instrumentation III (INST260)	14.0
Industrial Process & Control – Environmental ENVS219	0.0
Introduction to Chemo metric Application CHEM360	1.5
Introduction to Environmental Organic Chemistry ENVS245	4.5
Inorganic Chemistry CHEM245	3.0
Legal Issues in Public Works	0.5
Master Design Certificate	0.0
Organic Chemistry CHEM235	0.0
PLC Control Operations <i>*Note for Level III Certification only 10.0 CEUs would be applicable for computer related training For Level IV Certification 20.0 CEUs would be applicable for computer related training.</i>	20.0
PLC Control II (CMPC 208) 2012	3.0
Process Operations Course	45.0
Quality Assurance and Quality Control QUAL378	2.0
Recreation Facility Operations & Maintenance	25.0
SAIT/NAIT Millwright (Journeyman Ticket)	13.5
SAGD	0.0
Site Reclamation ENVS246	0.0
Solid Waste Management ENVS325	4.5
Special Boiler Operators Course (PWEN 236)	2.0
Statistics 230 (STAT 230) 2011	2.4
Telecommunications Technology	45.0
Thermodynamics THRM358	3.0
Unit Chemical Process Operations CHEM345	1.5
Water Resources I (CIVL250)	4.5
Water Treatment ENVS348	3.0
Water Treatment SAGD	0.0
Water/Wastewater Treatment Lab ENVS343	6.0
Water/Wastewater Treatment ENVS342	4.5
Welding Engineering Technology	45.0
Sault's Environmental Technician Water Program	90.0
Schram Crane & Rigging Course	0.6
Schram Safe Crane Operating	0.9
Shermco Industries Industrial Electrical Safety for Non-Electrical Workers	0.6
Siemens Water Technologies – Memcor XS 16 Microfiltration Training Course	0.4
Singer Valve Automatic Control Valve Application and Operation Training Program 2015	1.7
Sir Sandford Fleming College Geological Technician	45.0

Sir Sandford Fleming College Environmental Technology	90.0
Sir Sandford Fleming College Environmental Technician	90.0

Spartan Controls Valve Technician 1 (2010)	3.0
Spartan Controls S242 Fundamentals of Flow (2013)	0.6
Spartan Controls S243 Fundamentals of Pressure and Temperature (2013)	0.6
Spartan Controls S243 Fundamentals of Level (2013)	0.6
Spartan Controls Cla-Val Canada Corporation – Cla-Val Automatic Control Valves (1 day)	0.5
Spartan Controls Cla-Val Canada Corporation – Cla-Val Automatic Control Valves (2 day)	0.8
Spartan Controls Cla-Val Canada Corporation – 3 Day Technical Services Seminar on Cla-Val Automatic Control Valves	1.6

Strathcona County Training

Appraising Performance	0.2
Coaching for Results	0.3
Creating a Positive Work Environment	0.3
Critical Thinking Skills	0.3
Developing High Performance Teams	0.3
Effective Communication for Supervisors (Robcan)	0.3
Effective Conflict Management for Supervisors	0.3
Alberta Emergency Management Agency – I-100 Introduction to Incident Command System (2012)	0.3
Service First (FISH First in Service Here)	0.3
Managing & Mastering Change	0.3
Managing Multiple Priorities	0.6
O.H. & S Supervisor Awareness (2012)	0.3
Special Challenges in Customer Service	0.6
The Fundamentals of Leadership	0.3
The Principles of Supervision	0.3

Stefan Fediw – Fundamentals of Pumping	0.5
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StormCon Surface Water Quality Conference 2010	0.6
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Suicide Prevention training (any)	0.0
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Summit Valve & Controls – Introduction to Automatic Controls & Valves	0.3
Summit Valve and Controls – Automation Control Valves – Basic Essentials	0.6

Syncrude Internal Training

Aerial Lift (CICT Sponsored)	0.6
Air Brake Q—Endorsement	0.0
Analytical Troubleshooting KT	1.0
Chemical Feed Training	0.4
Chlorine Safety Course	0.2
Chlorine Safety Course (Field)	0.0
Common Fall Protection	0.6
Crane Masters (combined overhead crane and basic rigging - 2017)	0.4
Electrical Switching	0.6
Emergency Response Awareness	0.3
FFTS-S200	0.0
FFTS-S300	0.0
FFTS-S400	0.0
FFTS-S500	0.0
Filter Surveillance Course	1.2

Forklift Operator	0.6
Gas Detection Course	0.3
Overhead Crane	0.4
Procedure Writing	0.4
Reliability Centered Maintenance Training	1.2
Rigging Review	0.2
Safe Work Permit Course	0.6
Safe Work Permit Course from Oil Sands Safety Association (4 hr.)	0.0
Skid Steer (CICT Sponsored)	0.6
TDG	0.2
Time Management	0.6
WHMIS Awareness	0.3

Technical Learning College (TLC)

Activated Sludge	1.0
Backflow Awareness	0.5
Basic Chemistry	0.6
Basic Plumbing	0.4
Basic Electricity	0.6
Basic Supervision	0.5
Basic Welding Safety	0.0
Chemical Handling CEU Training Course	0.6
Chlorine & Disinfection CEU Training Course	2.0
Chlorination 505	3.6
Collection System Operator	1.6
Cross Connection Identification Course	0.6
Distribution 404	3.6
Distribution Basics CEU Training Course	0.6
Distribution Basics (Second Edition) CEU Training Course	2.5
Disinfection Basics (30 hours)	3.0
Distribution Foreman	3.0
FOG	0.3
Groundwater Production CEU Training Course	1.2
Hydraulic Principles CEU Training Course	0.5
Lab Analyst	1.2
Modern Disinfection	1.2
Operator Math Review	0.3
Pathogens 101	4.0
Pumps 303	3.0
Pumps and Motors	1.6
Pumping Principles CEU Training Course	1.2
Valve Controls	0.3
Wastewater Treatment	0.6
Wastewater Treatment 303	3.0
Wastewater Collection	1.0
Water Borne Diseases	2.0
Water Chemistry	1.2
Water Distribution 303	2.4
Water Mains & Service Connections	1.0
Water Treatment 202	0.6
Water Treatment 303	1.2

Televent Educational Services SCADA for Operators	0.9
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Texas Rural Water Association On-line Training – Chlorinator System & Chemical Handling	2.0
Texas Rural Water Association On-line Training – Basic Water Works Operation	1.0
Texas Rural Water Association On-line Training – Water Utility Safety	1.0
Thompson Rivers University – (all Water/Wastewater – Diplomas or Certificates)	0.0
Thompson River University (TRU) Membrane Operation & Maintenance 2011	1.8
TNT Bobcat (Hydrant Flow Testing (AWWOA sponsored)	0.6
Trihedral Engineering – Making Best Operational Use of SCADA HMI Software 2013	0.3
Trihedral Engineering – Making Best Operational Use of SCADA HMI Software 2016	0.4
Trojan UV Swift Operator Training	0.6
Trojan UV 3000 Plus Operator Training	0.6
TSAG Math for Operators/Math for Practice	1.2
TSAG Distribution & Fire Pump Maintenance for TSAG Paradigm Flow Solutions	0.6
TSAG Drinking Water and Wastewater Emergency Response	0.6
TSAG Water Week 2017 (based on tracked attendance)	Max of 1.2
TTR Group – AWWA C504 Butterfly Valve & Actuators Training	0.6
United Rentals – Excavation Safety for Competent Person Training 2012	0.5
United Rentals – Excavation & Trenching, Ground Disturbance Supervisor Level II	0.6
United Rentals – Confined Space Entry	0.6
University of Alberta (U of A)	
Accident Control I/Introduction to Health and Safety Systems	2.0
Accident Control II/Management of Health and Safety Systems	2.0
Administrative Practice – Phase III - Extension Course	5.1
Applied Hydrology	2.0
Certificate in Municipal Management & Leadership	5.0
Construction Administration Certificate	15.0
Emergency Management	1.0
ENCS 260 Hist&Fund: Env Protect & Conserv	0.7
Engineering Economic Analysis (ENG M 620)	3.6
Environment Geology Course (4252) (24 hours)	2.4
Environmental Resources Management Certificate	15.0
Fundamentals of Project Management (Course #04204)	3.0
Fundamentals – Phase I – Extension Course	3.9
Interpersonal Communication in Business	2.0
Introduction to Accounting ACCTG 300	1.3
Introduction to Computing CMPUT 101	0.0
Introduction to Occupational Health & Safety (Summer 2007)	1.5
Introduction to Statistics 241	3.0
Introduction to University Chemistry 200	13.0
Introduction to University Chemistry I CHEM 101	4.4
Managing a Technical Environment (ENG M 650)	3.6
Math 2251 Calculus	2.0
Microbiology Introductory 293	4.0
MS Excel VBA	0.5
Occupational Hazards – Phase II - Extension Course	4.0
O.H.& S. Law Regulation and Codes	1.0
Occupational Hygiene I/Fundamentals of Occupational Hygiene	2.0

Occupational Hygiene II/Applied Occupational Hygiene	2.0
Organic Chemistry I CHEM 161	3.9
Organic Chemistry 250	13.0
Organisms in Their Environment BIOL108	3.9
Principles of Ecosystems	2.0
REN R 480 Design and Data in Environ Science	1.7
Resolving Construction Disputes	0.6
Risk Management and Communication	2.0
School of Business – Graduate Certificate in Program Management	4.2
Supervisory Development – Creating Effective Work Groups	1.0
Supervisory Development – Interpersonal Communications	1.0
Supervisory Development – Principles of Supervision	1.0
Supervisory Development – Supervising in the Union Environment	1.0
Supervisory Development – Supervisory Summation	1.0
Supervisory Development – Techniques for Supervisors	1.0
Supervisory Development – The Supervisor as a Trainer	1.0

University of Calgary (U of C)

Industrial Safety Processes	4.0
Water Management for the 21 st Century	3.0

Vaughan Company Inc. (All 3 courses need to be completed) Understanding a Centrifugal Pump Curve, Do's & Don't for Centrifugal Pumps, & Troubleshooting Pumps	0.6
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Vertical Systems International Fall Protection & Rescue	0.6
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Very Small Water Systems Training and Certification event for Region 8 (First Nations)	Tracked attendance
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Vital Safety Training – Confined Space Entry & Basic Rescue	0.6
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Vivax Metrotech Advanced Underground Cable & Pipe Locating Seminar 2011	0.5
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Walkerton Clean Water Centre – Safe Drinking Water: Lessons From Outbreaks	0.6
Walkerton Clean Water Centre – Entry Level Training Drinking Water Operators** NOT eligible for Mandatory Entry Level Training Requirement in AB	7.0

Watermark Solutions Ltd. Water Loss Management: Leak Detection Overview and Equipment Use	0.6
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Waterous Fire Pump Seminar	2.7
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Western Canada Water - WCW (Formerly WCWWA)

Annual Conference Prior to 2010	1.5 each
Annual Conference 2010 and on	0.9 each
2010 Conference Workshop – Watershed & Stormwater Management	0.3
2010 Conference Workshop - Project Management for Young Professionals	0.3
2010 Conference Workshop – Cross Connection Control Through Awareness & Backflow Prevention	0.3
2010 Conference Workshop – River Health	0.3
2010 Conference Workshop – Linking Investment to Service Levels – Application of Asset Management	0.3
2010 Conference Workshop – Regional Water Systems – Design and Operation Basics	0.3
2010 Conference Workshop – Tertiary Filtration Workshop	0.3
2010 Conference Workshop – SCADA Fundamentals	0.3
2011 Conference Workshop – Project Management	0.3

2011 Conference Workshop – Water Main Relining	0.3
2011 Conference Workshop – Contract Law	0.3
2011 Conference Workshop – Asset Management Workshop: The Economics of a Hot Spot Upgrade Strategy ...	0.3
2011 Conference Workshop – Reservoir Water Quality Management	0.3
2011 Conference Workshop – Source Water Protection	0.3
2011 Laboratory Analysis and Compliance Monitoring	0.5
2011/12 Issues and in Industrial Wastewater Treatment	0.8
2012 Conference Workshop – Water Reuse in Western Canada – Drivers, Technologies & Examples	0.3
2012 Conference Workshop – Water Conservation Guidelines – Water Audits, Loss Control & Non-revenue Water	0.3
2012 Conference Workshop – Leadership in Project Management	0.3
2012 Conference Workshop – Conventional Water Treatment	0.3
2012 Conference Workshop – Introduction to Social Media – Removing the Mystery & Exploring New Opportunities	0.0
2012 Well Maintenance Workshop	0.6
2012 Municipal Water Reuse – Challenges & Opportunities	0.6
2013 Leadership Concerns Workshop	0.3
2013 DWSP Information (if attended previous DWSP training, not eligible for additional CEUs)	0.3
2013 Managing Greenhouse Gas in WWTPs	0.3
2013 Biosolids Management: Understanding Requirements & Options	0.3
2013 Source Control Strategies that Work	0.3
2013 Green Building: Clear Savings Potential	0.3
2013 Treated Wastewater Reuse – Urban & Rural Irrigation	0.6
2013 Asset Management and Alternative Project Delivery for Water and Wastewater Systems	0.6
2013 Water Treatment Disinfection Workshop	0.6
2014 WCW/APC Small System Nutrient Removal Workshop	0.6
2014 WCW Surface Water Quality and Watershed Protection	0.5
2015 WCW Asset Management Workshop	0.6
2015 WCW Membrane Bio-Reactors for Wastewater Treatment	0.6
2015 WCW Specialty Workshop	1.2
2015 WCW Sewage Lagoon Treatment for Wastewater	0.5
2015 WCW Conference Workshop – Where Has All Our Water Gone Part 2	0.3
2015 WCW Conference Workshop – Biosolids	0.3
2015 WCW Conference Workshop – Membrane Optimization	0.3
2015 WCW Conference Workshop – Pumps & Forcemains	0.3
2015 WCW Conference Workshop – Public Consultation Process	0.3
2015 WCW Conference Workshop – Chemical Feed Pump Systems	0.3
2016 WCW Door to Edmonton	0.5
2016 Canadian Biosolids and Residuals Conference	0.9
2016 WCW Chemical Feed-Practical Applications	0.3
2016 WCW Nutrient Recovery	0.3
2016 WCW Variable Speed Pumping	0.3
2016 WCW Wastewater Aeration and Mixing	0.3
2016 WCW Small Water and Wastewater Systems	0.3
2016 WCW Increasing Communications and Collaboration Effectiveness	0.3
2016 WCW Process Modelling Techniques for Optimizing Wastewater Treatment Plant Performance	0.6
2017 WCW Emergency Response Preparedness for Waterworks	0.3
2017 WCW Lift Station Pumping Essentials	0.3
2017 WCW Automated Metering Systems	0.3
2017 WCW Leadership Starts with the Leader	0.3
2017 WCW Advanced Filter Optimization and Surveillance	0.6
2017 Groundwater Treatment Solutions	0.6
2018 WCW Sewer Inspection and Asset Mgt Principals	0.3

2018 WCW Well Development and Operations	0.3
2018 WCW Fundamentals of Contract Law and Administration	0.3
2018 WCW Drone Technology	0.3
2018 WCW Odor Control	0.3
Assessing and Addressing Challenging Hydraulic Issues in a Wastewater System	0.3
Automation and Controls for Municipal Infrastructure	0.6
Backflow and Water Leaks Workshop	0.5
Biosolids and Residuals (April 2009)	0.5
Biosolids in Alberta	0.6
Disinfection Workshop WCAWWA – 2012	0.6
Disinfection By-Products Seminar 2010 & 2011, 2016	0.6
Disinfection of Pipelines and Storage Facilities 2010	0.4
Instrumentation and On-Line Monitoring	0.9
Membrane Theory & Maintenance 2013 & 2014	0.6
Membrane Treatment – Is it all that it has been cracked up to be?	0.6
Municipal Wastewater: Basics, Treatment, Regulations & Case Studies 2014	0.6
Odour Management in Wastewater Collection System	0.5
Operational Challenges - Regional Water System	0.5
Problem Solving Water & Wastewater Infrastructure 2011	0.5
Pump Operations & Maintenance 2011	0.4
Regulations from the Source to the Receiving Stream 2012	0.6
Small System Nutrient Removal Seminar April 2010	1.2
Surface Water Treatment Workshop 2014	0.6
UV Disinfection 2009	0.7
Wastewater Treatment Options	0.6
Where has all our Water Gone	0.3

WestPoint Safety Services Inc. H2S Alive	0.5
WestPoint Safety Services Inc. Confined Space Entry	1.2

Westvac Industrial Ltd. – VacCon Sewer Combo Truck Training Course	0.0
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City of Wetaskiwin – Project Management	0.6
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Wheels on Safety – Forklift Safety	0.5
Wheels on Safety – Hazard Assessment	0.3
Wheels on Safety –Industrial Fall Protection	0.6
Wheels on Safety – Confined Space Entry & Rescue	0.6
Wheels on Safety – Aerial Work Platform	0.3

Wolsley Water Works – Canada Valve Hydrant Course	0.6
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Wordsmith Writing Workshop	0.0
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World Water & Wastewater Solutions Ltd.

<i>Water Distribution Training</i>	
Tapping of Watermains	0.6
Flushing Techniques	0.6
Distribution System Breaks and Repairs	0.6
Operation and Maintenance of Fire Hydrants	1.2
Hydrostatic Pressure Testing	0.6

Distribution System Pipe Assemblies	1.2
Watermain Disinfection	0.6
Buried Utility Locating	0.6
Commissioning New Watermains	0.6
Maintaining Chlorine Residual & Proper Sampling Techniques	0.6
Basic Water Treatment for Distribution System Operators	0.6
Emerging Issues: Lead Services (Get the Lead out)	0.6
Introductory Math	0.6
Cross Connection Control	0.6
*Exam Prep OIT Water Treatment & Water Distribution	1.8
**Exam Prep Water Distribution Level 1 & 2	3.0
**Exam Prep Water Distribution Level 3 & 4	3.0
Fundamentals of Water Distribution for New Operators	3.0
<i>Water Treatment Training</i>	
Pumps & Pumping Hydraulics	0.6
Hypochlorination & Disinfection	1.7
Chloramination	0.6
Gas Chlorination & Disinfection	2.4
Anhydrous Ammonia Safety	0.3
Chemical Safety	0.6
Gas Chlorination Safety	0.3
Chlorine Emergency Repair Kit	0.3
Chlorine Residual Testing	0.3
Hydrogen Sulphide Awareness	0.3
Chlorination and Disinfection Refresher	0.6
Groundwater Treatment & Water Quality	0.6
Surface Water Treatment & Water Quality	0.6
Iron and Manganese Removal	0.6
Basic Water Distribution for Water Treatment Operators	0.6
*Exam Prep OIT Water Treatment & Water Distribution	1.8
**Exam Prep Water Treatment Level 1 & 2	3.0
**Exam Prep Water Treatment Level 3 & 4	3.0
Wastewater Treatment Training	
Basic Wastewater Treatment	1.8
Bio-Solids Handling	0.6
Micro-Organisms	0.6
Activated Sludge Control	1.8
Wastewater Problem Solving	0.6
Ponds and Lagoons	0.6
Fixed Film & Other Treatment Processes	0.6
Record Keeping	0.3
*Exam Prep OIT: Wastewater Treatment & Collection	3.0
Wastewater Digester Operation and Control	0.6
**Exam Prep Wastewater Treatment Level 1 & 2	2.4
**Exam Prep Wastewater Treatment Level 3 & 4	3.0
Basic Wastewater Collection for Wastewater Treatment Operators	0.6
Wastewater Collection Training	
*Exam Prep OIT: Wastewater Treatment & Collection	3.0
**Exam Prep Wastewater Collection Level 1 & 2	2.4
**Exam Prep Wastewater Collection Level 3 & 4	3.0
Basic Wastewater Treatment for Wastewater Collection Operators	0.6
Sewer Flushing and Cleaning Techniques	0.6
Basic Wastewater Collection	1.8

Collection System Odour & Corrosion Control	0.6
Lift Station Operation & Maintenance	0.6

Regulatory / Management Training

Record Keeping	0.3
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*** Alberta does not have an OIT category of Certification**

**** Not approved for the Mandatory Entry Level Training Requirement**

WQ Consulting Services Ltd. – Understanding Source & Receiving Environments (2013)	0.6
WQ Consulting Services Ltd. – Water Monitoring & Assessment for Operators (2014)/ Water Quality Sampling & Testing for Operators	0.6
WQ Consulting Services Ltd. – Water & Wastewater Chemistry for Operators (2015) – Basic Chemistry for Operators (2016)	0.6

WWET 2018 Conference (based on tracked attendance)	Tracked attendance
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YOW Canada

YOW On-line Fall Protection	0.3
YOW On-line TDG	0.3
YOW Workplace Violence and Harassment	0.0

ZENON/GE Water & Process Technologies – GE W & PT UF and RO Membrane and Mixed Bed Deionization O & M	1.2
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Zim's Safety Services Confined Space Preplanning Entry & Rescue	0.3
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List of Compulsory & Optional Trades

The following is a list of trades in Alberta. The list includes both Compulsory Certification Trades and Optional (Voluntary) Certification trades. For the purposes of the AEP Water and Wastewater Operator Certification Program someone who submits verification of **completion of the in-school training portion** of the specified trade will get the CEU (post-secondary education credit as listed). The percentage listed is percentage of classroom time, i.e. Sprinkler System Installer is listed at 50%. If the classroom time is 16 weeks, 8 weeks of approved post-secondary education credit will be awarded.

NOTE: *If the completion of relevant trades program is used for verification of Grade 12 it cannot be used for post-secondary education.

Alberta Trade Name	Percentage of In-school training accepted for Post-Secondary Education
Agricultural Equipment Technician	25%
Appliance Service Technician **Appliance Service Technician **Commercial Appliance Service Tech.	25%
Auto Body Technician **Auto Body Technician **Auto Body Prepper **Auto Body Repairer **Auto Body Refinisher	25%
Automotive Service Technician	25%
Boilermaker	25%
Crane & Hoisting Equipment Operator (CHEO) **CHEO Hydraulic Mobile Crane **CHEO Conventional Mobile Crane **CHEO Mobile Crane **CHEO Tower Crane **CHEO Boom Truck **CHEO Wellhead Boom Truck	25%
Electric Motor Systems Technician	25%
Electrician	100% - 10 CEUs
Elevator Constructor	25%
Heavy Equipment Technician (HET) **Heavy Equipment Technician (HET) **HET-Heavy Duty Equipment Mechanic (off Road) **HET-Truck and Transport Mechanic **HET-Transport Trailer Mechanic	25%
Instrument Technician	100%
Ironworker **Ironworker **Ironworker-Metal Building Systems Erector **Ironworker-Structural/Ornamental **Ironworker-Reinforcing	25%
Machinist	100%
Millwright	100% - 15 CEUs
Motorcycle Mechanic	25%
Plumber	100% 45.0 CEUs
Powerline Technician	25%
Recreation Vehicle Service Technician	25%
Refrigeration & Air Conditioning Mechanic	25%
Sheet Metal Worker	25%
Sprinkler System Installer	50%
Steamfitter-Pipefitter	100%
Tool and Die Maker	100%

Alberta Trade Name	Percentage of In-school training accepted for Post-Secondary Education
Water Well Driller	100%
Welder **Welder **Welder-Wire Process Operator	100% - 15 CEUs

The following trades are not considered relevant for the purposes of the AEP Certification Program and can only be used for Grade 12 “Equivalency”.

Alberta Trade Name
Baker
Bricklayer
Cabinetmaker
Carpenter
Communication Technician
Concrete Finisher
Cook
Floor Covering Installer
Gas Fitter
Glazier
Hairstylist
Insulator
Landscape Gardener
Lather-Interior Systems Mechanic
Locksmith
Outdoor Power Equipment Technician (OPET)
Painter and Decorator
Parts Technician
Power System Electrician
Rig Technician
Roofer
Sawfiler
Structural Steel and Plate Fitter
Tilesetter
Transport Refrigeration Technician

City of Calgary In-house Training

Course Name	PeopleSoft #	CEU
Accident Investigation Training (inactive March 2007)		0.6
Achieving Extraordinary Customer Relations (inactive March 2007) – External – Mount Royal		1.2
ACWA Advancing Canadian Wastewater Assets		0.9
AENV Certification Preparation Course (ENVR 300) (inactive Nov. 2017)	3237	1.6
AquaDisk Cloth Media Filtration (WWTP 140) (inactive Nov. 2016)	4080	0.0
Back Care Training - External		0.0
Backwash Waste Recycle Pumping & Filter to Waste Recycle Pumping		0.0
Basic Foreman Course (inactive March 2007)		2.5
Basic Pneumatics (TPCC 102)	3423	2.0
Behaviour at its Best (HRES 200) (inactive effective 2009)	1627	0.4
Blueprint Reading (TPCC 104)	3429	2.0
Business Writing in a FOIPable World (COMM210) (inactive Nov. 2017)	7763	0.3
Butt Fusion Training		1.2
City of Calgary Field Trainers Development Course – Fleet Program		3.0
City of Calgary Leadership & Team Development Training Workshop - Corporate		4.0
Chlorine Practical(WWTP 101) (inactive Nov. 2017)	4076	0.0
Coaching & Employee Development (Mgmt 235) (inactive Nov. 2016)	5820	0.4
Coaching, Mentoring & Empl. Dev.(MGMT 230) Inactive Sept. 2008		0.8
Collecting Water Samples (WASA 105)	6918	0.6
Communication Skills (COMM 200) (Inactivated February 2015)	1736	0.8
Conducting an Incident Investigation (SAFE 314) (inactive Sept. 2012)	2872	0.3
Conducting an Incident Investigation (SAFE314) EFFECTIVE October 2013 (inactive Sep. 2016)	28722	0.5
Conducting an Incident Investigation (SAFE314) EFFECTIVE Oct 2016	2872	0.6
Connect Service Pipe (PIPE 222)	7174	0.6
Confined Space Technician Recertification (SAFE249)	8186	0.9
Confined Space Entry – Code of Practice (inactive March 2007)		0.9
Confined Space Entry (inactive March 2007)		0.5
Confined Space Supervisor (SAFE 245) (inactive Nov. 2017)	6806	0.6
Confined Space Technician (SAFE 248)	6492	1.2
Constructive Feedback (COMM 205) (inactive Nov. 2016)	4743	0.2
Corporate Values (HRES 110) (inactive Nov. 2016)	1885	0.0
Cross Connection Awareness - External SAIT		0.3
Cross Connection Control Testers – External SAIT		2.5
Dechlorination Using SBS (WATP 340) (inactive Nov. 2017)	2658	0.4
DeltaV Operator Interface for Continuous Control #7012		0.4
Discipline (inactive March 2007)		0.2
Drinking Water Safety Plan Level 2 WT (ENVR 107) (inactive Nov. 2017)	8329	0.0
Drinking Water Safety Plan Level 2 Field Services (ENVR 108) (inactive Nov. 2017)	8330	0.0
Drinking Water Safety Plan Level 2 Construction Services (ENVR 109) (inactive Nov. 2017)	8331	0.0
Effective Leadership (MGMT 100) (inactive Nov. 2016)	1737	0.4
Effective Presentation (inactive March 2007)		1.2
Effective Presentations (MGMT 140) (inactive Nov. 2016)	1688	0.8
Effective Reporting (COMM 110) (inactive Nov. 2017)	1691	0.4
Effective Reporting for Supervisors MSMT 212 (inactive March 2007)		0.4
Effective Work Teams (MGMT 120) (inactive Nov. 2016)	1738	0.4
Employment Equity (inactive March 2007)		0.0
Environmental Awareness (ENVR 100)	419	0.0
EnviroSystem Policies at Work (ENVR 104) (inactive Nov. 2016)	3195	0.2

Course Name	PeopleSoft #	CEU
Erosion & Sediment Control Course (ESC9-Ins) - Corporate		0.6
ESCII – APP: Practical Approaches for Erosion & Sediment Control in Calgary - Corporate		0.6
Excavations (EXCA105)	6993	1.3
Fall Protection Authorized Person (SAFE 235)	6807	0.6
Field Ambassador (inactive March 2007)		0.6
Field Training (LED 100) (inactive Nov, 2016)	4350	0.8
Field Training (LED 101) (inactive Nov, 2016)	7693	0.0
Fire Flow Testing (WADI 100)	6917	0.6
First Aid/CPR (EMS) Prior to October 2005		2.0
First Aid/CPR (EMS) After October 2005		1.2
Forms Administration (MGMT 211) (inactive Nov. 2016)	1958	0.4
Front Line Leadership Level I (inactive March 2007) – Former Program		2.0
Level II (inactive March 2007)		1.2
Level III (inactive March 2007)		0.9
Level IV (inactive March 2007)		1.5
Level V (inactive March 2007)		0.6
Ground Disturbance (EXCA 100)	6992	0.4
Hazard Assessment Principles (SAFE 310) – No longer active September 30, 2012	2659	0.4
Hazard Assessment Application (SAFE311)	2720	0.4
Hazard Assessment Application (SAFE311) EFFECTIVE October 2013	27202	0.5
Hazard Assessment Application (SAFE311) EFFECTIVE 2017	2720	0.6
Industrial Safety & Health (TPCC 108)	3425	2.4
Incident Investigation Fundamentals (SAFE 312) No longer active September 30, 2012	2179	0.3
Install and Repair Valves (PIPE 227)	7179	0.3
Install Couplings (PIPE 212)	7168	1.1
Install Fittings (PIPE 210)	7176	1.1
Install Pipe (PIPE207)	7170	0.6
Install Wastewater Pipe (PIPE 237)	7689	0.6
Interpreting Information Sources to Plan Water Pipelaying Operations (PIPE202)	7686	0.3
Intro to Potable Water Quality (WATQ 100)	1893	0.4
Introduction of UEP Viewer (COMP 230)/Waterfront (COMP 230)	1418	0.3
Introduction to Chlorine (WWTP 100) (inactive Sept. 2017)	4075	0.3
Introduction to Effective Communication (COMM100)	4511	0.5
Introduction to Confined Space (SAFE 240) – No longer offered (2010)	2083	0.6
Introduction to Field Services (FDSV100)	6310	0.9
Introduction to IBM and DOS – Corporate/IT		0.0
Introduction to Information Processing – Corporate/IT		0.0
Introduction to Performance Management (MGMT280) (inactive Nov. 2016)	3408	0.3
Introduction to Technical Writing (COMM 303) (inactive Nov. 2016)	3410	0.5
Introduction to Water Services (WATR100)	1887	0.4
Introduction to Water System (PIPE201)	7685	0.3
Introduction to Water Technology (TPCC110)	6482	1.0
Introduction to Waterworks & Wastewater (WATR 100) (Prior to September 06)	1887	0.4
Leadership & Motivation (MGMT 110) (Inactive Nov. 2016)	1739	0.8
Leadership Skills for Water Treatment Supervisory Staff (2012)		0.6
Leading Change (MGMT 270) (inactive Nov. 2016)	1963	0.4
Leading Effective Work Teams II (MGMT 220) (inactive Nov. 2016)	1959	0.8
Leak Detection Specialist IV (inactive March 2007) - Corporate		3.4
Let's Write (SAIT) (inactive March 2007)		1.5
Locate Buried Utilities (UTIL100)	5187	0.6
Mainsaver (COMP 238) (inactive Nov. 2012)	2544	0.8

Course Name	PeopleSoft #	CEU
Maintenance Management System (MMS) Training - External		1.5
Managing & Communicating Change (MGMT 272) (Note if combined with MGMT 271- 0.6) (inactive Nov. 2016)	1875	0.4
Managing Conflict (MGMT 170) (inactive Nov. 2016)	1692	0.4
Managing Difficult Customer Interactions (COMM207)	7762	0.3
Managing Effective Work Teams II (MGMT 222) (Note if combined with 220 – 1.0) (inactive Jun 07)		0.8
Managing Hazardous Energy – <i>new name</i> (SAFE 300) (inactive Nov. 2017)	3841	0.3
Managing HR & Maximizing Staff Co. (MGMT 232) (Note if combined with 230 – 1.2) (inactive June 2007)		0.8
Managing Runoff (WATT 300) (inactive Nov. 2017)	2164	1.5
Managing Taste & Odour Using KmnO4 (WATP 330) (inactive Nov. 2017)	2721	0.4
Measurement Systems (TPCC 106)	3427	2.0
Meetings (MGMT 160) (inactive Nov. 2016)	1690	0.4
Meetings: Application & Practice (MGMT 161) (inactive Nov. 2016)	3530	0.2
OCL & Interim Operation of Bears paw WTP Processes (RETF 120) (inactive Apr. 2017)	4438	0.0
Operate Small Water Valves (WWWTEC13)		0.0
Organization Information (HRES 112) (inactive Nov. 2009)	1957	0.0
Organizational Framework (MGMT 271) (inactive Nov. 2009)	1874	0.4
Overhead Crane Safety (SAFE 406) - External	4547	0.6
Overview of Recruitment & Selection (MGMT 250) (inactive Nov.2016)	1891	0.0
Pilot Controlled Pressure Reducing Valve (WADI200)	8266	0.6
PI System Essentials (COMP260)	3058	0.3
Pipeman Refresher (one time only) (inactive Nov. 2016)		0.6
Pipeman Training For Foremen (if Pipeman Training Program <u>not</u> taken) (inactive Nov. 2016)		3.0
Pipeman Training Program		6.0
Plant Piping Systems (TPCC 105)	3428	2.0
Pretreatment Facility (PRTF100) (inactive Nov. 2017)	4642	0.3
Preventing Sexual Harassment (inactive March 2007) - Corporate		0.0
Problem Solving For Supervisors (inactive March 2007) - Corporate		1.2
Problem Solving (MGMT 130) (inactive Nov. 2016)	1740	0.4
Production Lock-Out System (SAFE300) <i>NEW NAME</i> : Managing Hazardous Energy (inactive Nov. 2017)	3841	0.3
PRV Engineering Selection Seminar (inactive March 2007) - External		0.7
Pump Operation (TPCC 101)	3431	2.0
Recruitment & Selection (MGMT 252) (inactive Nov. 2016)	1880	0.4
Regulatory Requirements & Standards for Potable Water Quality (WATQ 102)	2168	0.3
Resolve Water Quality Issues (WATQ 205)	6804	0.8
Return to Service (WATQ 200)	2818	0.4
Return to Service (WATQ 200) REVISED COURSE effective 2011	2818	0.6
RTF - Thickening (RETF140) (inactive Nov. 2017)	4435	0.3
RTF – Dewatering (RETF 150) (inactive Nov. 2017)	4436	0.3
Safety for Foreman MGMT 260 (inactive March 2007)		0.8
Safety Legislation in the Workshop (SAFE300) (inactive March 2007)	2146	1.2
Safety Program Orientation (inactive March 2007)		0.0
SCBA/SAR User (SAFE 250)*inactive May 2014	6847	0.4
Schematics & Symbols (TPCC 103)	3430	2.0
Section Books Learners Manual	6080	1.2
Self-Care (SHAW 100) (Prior to September 06) (inactive March 2007) - External		0.4
Self-Contained Breathing Apparatus (inactive March 2007)		0.2
Self-Contained Breathing Apparatus SAFE250 - current from 2014 on	8783	0.4

Course Name	PeopleSoft #	CEU
Septage Dump Station (WWTP 135) (inactive Nov. 2017)	4079	0.0
Shoring (SHOR100)	5216	1.2
Shoring (inactive September 2008)		0.6
SOP Trainer (inactive March 2007)		8.5
SPL Introduction (COMP 283) renamed Oracle WAM Introduction (COMP283)	5583	0.0
SPL Synergen Overview (COMP 270) (inactive Nov. 2009)	3418	0.2
SPL Timekeeping (COMP 284) (renamed Oracle WAM Timekeeping (COMP284)	5584	0.0
SPL Work Order (COMP 285) (renamed Oracle WAM Work Orders (COMP285)	5585	0.0
Stress Management (SHAW 110) (inactive March 2007)		0.4
Supervisory Training Program (Calgary Parks & Rec) - Corporate		2.0
Targeted Selection – External Mount Royal		1.8
Targeted Selection – External Mount Royal (1 day) evaluated April 2017		0.3
Temporary Traffic Control (SAFE222) (Inactivated February 2015)	2767	0.3
Time Management (MGMT 180) (inactive Nov. 2016)	1741	0.4
Transition to Leadership (MGMT 102) (inactive Nov. 2017)	7784B	0.5
Transitioning to Front-Line Leadership (MGMT 200) 2017		0.6
Transportation Of Dangerous Goods (TDG) Clear Language Program	1422	0.6
Troubleshooting Skills (TPCC 100)	3422	2.0
University of Calgary Management Certificate Program		30.0
Use Rose Pullover Harness		0.0
Use SCBA		0.0
Wastewater Collection System Installations (WWCO 100)	4783	1.2
Wastewater Equipment Maintenance (TPCC 107)	3426	1.0
Wastewater Approval to Operate Overview (WATQ104)		0.3
Wastewater Treatment Processes (TPCC 109)	3424	1.0
Water Operating Approval Overview (WATQ103)	3529	0.3
Water Distribution System Design (WATS 300) (Inactive Feb1, 2013)	4351	1.6
Water Distribution System Design (WATS300)	43512	2.4
WHMIS I (inactive March 2007)		0.0
WHMIS II (inactive March 2007)		0.2
Worksite Temporary Traffic Control (inactive March 2007) - External		0.5

City of Edmonton/EPCOR/ Water Network Maintenance

Course Name	CEU
2013 Underground Hazard Awareness – High Voltage, High Pressure, High Stakes	0.5
2013 Water Innovation and Knowledge Transfer Conference	0.5
2014 Water Innovation and Knowledge Transfer Conference	0.3
2015 Water Innovation and Knowledge Transfer Conference	0.3
2016 Water Innovation and Knowledge Transfer Conference	0.6
2017 Water Innovation and Knowledge Transfer Conference	0.6
2016 EPCOR Water Canada Environment and Public Health Seminar	0.3
2018 Utility Hazard Workshop	0.3
Accident Investigation Solutions	0.6
Air Brakes Course	0.0
Activated Sludge Process Control 1999 (2 day)	1.2
Activated Sludge Process Course 2000 (5 day)	4.0
Activated Sludge Process for Maintenance Staff (1 day)	0.6
Analyzer/Meter Safety Program Advanced Safety Awareness Training	3.0
Anodes	0.8
As –built Preparation and GIS Software Training for the Field Force	0.4
Asbestos Awareness	0.3
Assertive Communications: An Essential Individual Competency & Team Skill (ESP1101)	0.6
AWWA Norwood Foundry Isolation & Control Valves Butterfly/Ball/Globe	0.5
Backflow Awareness – Technical Learning College	0.6
Backhoe Loader Training Program (will be given to WD.WWC Operators ONLY)	10.0
Barricade & Traffic Control Advanced Safety Awareness	0.4
Barricading STC1113	0.3
Basic IVARA Work Management	0.5
Basic Mathematics & Hydraulic Calculations for WWC Operators 2011	1.2
Basic Operation & Maintenance for WWC Operators 2011	1.2
Basic Plumbing – Technical Learning College	0.4
Basic Trench Rescue	0.3
Becoming a Master Instructor	5.0
Behaviour Based Safety (BBS) Observation Training Advanced Safety Training	1.5
Blueprint Reading for WWC Operators	0.6
Theory of Biological Nutrient Removal, the Theory of	0.5
Chemical Safety Program	0.4
City of Edmonton Fundamentals of Supervisor Training Module	2.4
Clamshell Operation for Grit Removal GBWWTP	0.3
Coaching for Frontline Leaders	0.6
Coaching for High Performance	1.5
Cold Temperature BNR Operations (2 day)	1.2
Commercial Fleet Requirements and Load Securement	0.3
Comprehensive Leadership Program	6.0
Comprehensive Orientation for Seasonal UDF Operators	1.0
Confined Space Entry – Rescue, Substructure Maintenance, Drainage Mechanical Facilities, Deep Manholes, Shallow Manholes (maximum ONE only)	0.6
Confined Space (STC1101)	0.3
Confined Space Classroom Training (Drainage)	0.6
Confined and Restricted Space (Water and Wastewater)	0.6
Confined Space Entry Training – Technical Learning College	0.8
Confined Space Entry UPDATES – Rescue, Substructure Maintenance, Drainage Mechanical Facilities, Deep Manholes, Shallow Manholes (maximum ONE only)	0.3

Course Name	CEU
Confined Space Practical Training – Mechanical facilities	0.9
Confined Space Practical Training – Open Cut	0.6
Confined Space Practical Training – Shallow Manhole	0.4
Confined Space Practical Training - Tunnels	0.9
Confined Space Rescue	2.4
Construction Safety Training 1 st Time	0.4
Construction Safety Training Cyclical Training (every 3 years)	0.2
Construction Safety Training Systems	0.6
Creating Grids, Surfaces & Analyzing Trends & Creating & Working with Rasta Data (Level 3) WT1109	0.0
Crucial Conversations	1.0
Crucial Accountabilities	0.5
Customer Service Excellence	0.6
Customer Service Excellence (Abridged – 3 hours)	0.3
Defensive Driver	0.0
Designated Plumbing Upgrade	0.6
Designated Welding Upgrade	0.0
Designing with PVC Pipe Seminar (IPEX/Royal Pipe)	0.5
Drinking Water Quality and Monitoring (WT1101)	1.8
Effective Collaboration	0.3
Elective Overhead Travelling Crane (STC1102)	0.3
Excavation & Trenching Training – Technical Learning College	0.6
Emergency Site Plan Procedures (CSAZ731)	3.2
Environmental Management System	1.2
Environmental Compliance Assurance Workshop (2015)	0.6
Equipment Operator Training (Part I Classroom)	0.6
Ergonomic Training	0.0
Essential Leadership – EPCOR School of Business	3.0
Exceptional Leadership	0.5
Exploring Spatial Data, Data Visualization & Interpretation, Accessing Data WT1107	0.0
Fall Protection Group – Industrial/Commercial End-User Fall Protection Program	0.0
Fall Protection (STC1105)	0.6
Facilitating for Results	1.5
Fire Awareness Training	0.4
Fire Pumps Refresher	0.3
First Aid (Update) (subsequent year or RENEWAL only, not be accumulated)	0.6
Flagging (All sections)	0.3
From Frontline to Foreman, Dealing with the Tough Stuff	2.4
Foremanship (GMCC for the City of Edmonton)	3.0
Foremanship Level II, 8 day (NAIT for City of Edmonton)	4.0
Foremanship Level II <i>Compressed</i> (NAIT for the City of Edmonton)	2.0
Forklift Training STC1118 One Day (cannot get CEUs for 2 day if one day awarded)	0.6
Forklift Training STC1118 Two Day (cannot get CEUs for 1 day if two day is awarded)	1.2
Gas Detection	0.3
Guiding Employee Performance	1.2
Hazard Recognition & Control Field STC1107	0.3
Health, Safety & Environmental Program STC1120	0.3
Hoisting & Rigging: Basic STC1112	0.6
Hoisting and Rigging Part I	0.4
Hoisting and Rigging Part I (Cyclical every 5 years)	0.2
Hoisting and Rigging Part II	0.4
Hoisting and Rigging Part II (Cyclical every 5 years)	0.2

Course Name	CEU
Hoisting and Rigging Part III	0.4
Hoisting and Rigging Part III (Cyclical every 5 years)	0.2
How to Influence Others	0.5
How to Deliver Power Presentations	0.3
Hydrant Repairs	1.2
Incident Reporting and Investigation	0.6
Industrial Electrical Safety for Non-Electrical Workers	0.6
Integrating Wetlands and Improving Design of Naturalized Storm water Management Facilities	1.0
Introduction to GIS (Level I) WT1104	0.6
Intro to MapInfo & Creating Maps (Level I) WT 1106	1.2
Interest Based Problem Solving	1.2
Leadership 2000	4.0
Introduction to MapInfo GIS Software	0.6
Intermediate MapInfo GIS Software	0.6
Job Planning for Success	0.3
Leadership for Results (Formerly Leadership 2000) – 3 days	1.8
Leading Change: Practitioner Foundation	1.0
Leading Change: Advance Techniques	0.8
Leading Meetings to Success	0.3
Leading People for Results I	1.2
Leading People for Results II	1.2
Leading People for Results III	1.2
Leading People for Results IV	1.2
Leading People for Results VII	1.2
Main Repairs	1.4
Managing Business Relationships	0.4
Meter Repairs	1.3
Meter Training - Testing Large Meters	0.8
Meter Training - Testing Small Meters	0.8
Meter Training - Threaded/Flanged Meter Installation	0.3
Network Field Link WT1109	0.0
NFPA 472 Based Spill Awareness Training	0.6
Odour Control (WWT1101)	0.3
Operation Procedures - Anode Testing	0.2
Operation Procedures - C-Valve Testing	0.4
Operation Procedures - Distribution Valve Operation	0.2
Operation Procedures - Flow Testing	0.4
Operation Procedures - Hydrant Flushing/Winter Checking	0.4
Operation Procedures - Thawing/Cleaning Distribution Valve Casings	0.2
Operation Procedures - Transmission Valve Operating	0.5
Pipeman Certification	1.2
Pipeman Refresher (1/2 day)	0.3
Pipeman Refresher (full day)	0.6
Planning and Execution	0.4
Plumbing Drainage Basics for Drainage Operations (NAIT)	1.2
PowerPoint, Word Intro, Word Inter, Excel Intro, Excel Interm	0.0
Priority Management	1.5
Project Management at EPCOR 2011	1.0
Pumps & Pumping (A. Bowen Instructor)	1.6
Quality Management System	1.8
Respiratory Protection STC1109	0.3

Course Name	CEU
RCM Blitz 2014	1.5
Road builders Safety Training Systems (RSTS) ACSA	0.3
Root Cause Failure Analysis & Maintenance (Carver PA Corporation)	1.0
Root Cause Analysis	0.6
Safe Start Program Advanced Safety Awareness Training	0.7
Safety 2000 (EPCOR Water Services)	2.4
SCBA/SABA	0.3
Sewer Mainline Televising	0.6
Sewer Service Televising/Locating	0.6
Specialist Training for Hazardous Material	2.0
Standard First Aid Cyclical Training First Time Only	1.2
TDG STC1106	0.4
TDG Carriers, Shippers & Handlers Cyclical Training (every 3 years)	0.2
TDG Carriers, Shippers and Handlers	0.5
Team Effectiveness	2.0
Tips for Engaging Presentations and Training	0.3
Train the Trainer,	1.2
Transmission Valve Repairs	0.9
Treatment Processes Training Program Advanced Safety Awareness Training	0.2
Trench Training	1.2
Trenching & Shoring Training	0.5
Troubleshooting and Problem Solving	0.6
Understanding Spatial Reference WT1105	0.0
Unidirectional Flushing Training	1.4
Valve Repairs	1.2
Water and Wastewater Collection System 2 nd Annual Conference (Jan 2008)	0.5
Wastewater Collection System Operators 3 rd Annual Conference (January 2010)	0.6
Wastewater Collection System Operators 1 st Annual Conference (Feb 2007)	0.6
Wastewater Treatment Operations Overview (WWT1102)	0.8
Water WD 1302: Transmission Mains Overview	0.3
WD1501 Water Distribution Operation & Maintenance	0.6
Water Distribution Principles & Practices Section 1-4	0.3
Water Distribution Principles & Practices Section 5 Fire Hydrants	0.3
Water Distribution Exam Learning Strategies (WD1401)	0.3
Water Transmission Overview (WT1103)	0.6
Water Treatment Operations Overview (WT1102)	0.6
Water Sampling (WT1401)	0.3
Water Sampling & Testing	0.2
Water Service Repairs	1.2
WHMIS	0.3
WHMIS Training Transportation of Dangerous Goods	0.6
Work permit System Training Regulator OH & S	0.4
Written Communication	1.5