



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

### **Continuing Education Unit Evaluation and Credit**

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

## **Guidelines for Continuing Education Unit and Course Evaluation**

### **Background**

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

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

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

### **The Continuing Education Unit (CEU)**

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

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

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

### **Post-Secondary Education**

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

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

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

## **Educational Course Assessment for the Operator Certification Program**

### **Equivalent Time Calculation**

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

### **Appropriate Field of Studies - Completed Degrees and Diplomas**

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

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

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

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

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

### **Education and Training**

Education and training can be broken into several separate categories:

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

### **Courses Considered for CEU**

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

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

## **CEU Listing**

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

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

If you have taken training and it is not listed on the approved list, and you think it is relevant, you may submit a CEU Evaluation Form to the Operator Certification Board. The form can be found at <https://saskocb.ca/wp-content/uploads/CEU-Evaluation-Form-June-10-2020.pdf>

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

## Continuously Available CEU Approved Training

### ABCGA

|                                                             |  |     |
|-------------------------------------------------------------|--|-----|
| • Astec Safety–USP Supervising Ground Disturbance-ABCGA 201 |  | 0.5 |
|-------------------------------------------------------------|--|-----|

### Academy of Learning

|                                                             |  |      |
|-------------------------------------------------------------|--|------|
| • CompTIA A+ Certification Essentials (Academy of Learning) |  | 10.0 |
|-------------------------------------------------------------|--|------|

### Advanced Municipal Solutions (AMS)

|                                                                     |           |     |
|---------------------------------------------------------------------|-----------|-----|
| • Biofiltration Basics                                              |           | 0.6 |
| • Lead and Copper – Contaminants of Concern                         |           | 0.3 |
| • Level 1 WT / WD Certification Exam Preparation                    |           | 3.0 |
| • Level 2 WT / WD Certification Exam Preparation                    |           | 3.0 |
| • Level 3 & 4 WT Certification Exam Preparation                     |           | 3.0 |
| • Level 1 WWT / WWC Certification Exam Preparation                  |           | 3.0 |
| • Level 2 WWT / WWC Certification Exam Preparation                  |           | 3.0 |
| • Operation & Maintenance of Wastewater Lagoons                     |           | 0.6 |
| • Operation & Maintenance of Distribution Systems & Rural Pipelines |           | 0.6 |
| • Reverse Osmosis Treatment                                         |           | 0.6 |
| • Understanding Chloramination                                      |           | 0.3 |
| • Understanding Regulations                                         |           | 0.6 |
| • Understanding Regulations (SARWP Conference)                      | in person | 0.6 |
| • Water Sampling and Analysis Workshop                              |           | 0.6 |
| • Writing SOPs and ERPs for Water and Wastewater Utilities          |           | 0.6 |
| • Level 1 and 2 Water Treatment Operator Cert Exam Prep             |           | 3.3 |
| • Level 1 & 2 Water Distribution Certification Exam Preparation     |           | 3.0 |
| • Level 1 WD Certification Exam Preparation                         |           | 2.5 |
| • Level 1 WWC Certification Exam Preparation                        |           | 2.5 |
| • Level 2 WD Certification Exam Preparation                         |           | 2.5 |
| • Level 2 WWC Certification Exam Preparation                        |           | 2.5 |
| • Level 3 WD Certification Exam Preparation                         |           | 2.5 |
| • Level 3 WWC Certification Exam Preparation                        |           | 2.5 |
| • Level 1 & 2 WWC Certification Exam Preparation                    |           | 3.0 |
| • Math Preparation for Level 1 & 2 Water Distribution               |           | 1.5 |
| • Math Preparation for Level 3 & 4 Water Distribution               |           | 1.5 |
| • Math Preparation for Level 1 & 2 Wastewater Collection            |           | 1.5 |
| • Math Preparation for Level 3 & 4 Wastewater Collection            |           | 1.5 |
| • Level 1 & 2 Water Distribution Certification Exam Preparation     |           | 4.8 |
| • Level 3 & 4 Water Distribution Certification Exam Preparation     |           | 4.8 |
| • Level 1 & 2 Wastewater Collection Certification Exam Preparation  |           | 4.8 |
| • Level 3 & 4 Wastewater Collection Certification Exam Preparation  |           | 4.8 |

### Agriculture & Agri-Food Canada through the Federal Interdepartmental Training Board [http://www.waterqualitytraining.ca/waterQuality101\\_e.php](http://www.waterqualitytraining.ca/waterQuality101_e.php)

|                                                              |        |     |
|--------------------------------------------------------------|--------|-----|
| • Water Quality 101: Potable Water Micro-System Fundamentals | Online | 0.5 |
|--------------------------------------------------------------|--------|-----|

### Alberta Construction Safety Association

|                    |  |     |
|--------------------|--|-----|
| • Flagger Training |  | 0.7 |
|--------------------|--|-----|

|                                                  |  |     |
|--------------------------------------------------|--|-----|
| • IC-100 Introduction to Incident Command System |  | 0.3 |
|--------------------------------------------------|--|-----|

**Alberta Water & Wastewater Operators Association (AWWOA)** <http://www.awwoa.ab.ca/>

|                                                         |  |      |
|---------------------------------------------------------|--|------|
| • Pumps: Theory, Operation and Maintenance (home study) |  | 3.0  |
| • Small Wastewater System Operations (home study)       |  | 0.6  |
| • Water Treatment Plant Operations (correspondence)     |  | 15.0 |
| • Mathematics                                           |  | 9.0  |

**American Water Works Association (AWWA)** <https://www.awwa.org/>

|                                                                         |             |     |
|-------------------------------------------------------------------------|-------------|-----|
| • AWWA Webcasts (any)                                                   | Contact MOE | ??  |
| • AWWA Seminar on Demand                                                |             | ??  |
| • Water Treatment Operator Level 1                                      | variable    | 6.0 |
| • Water Treatment Operator Level 2                                      | variable    | 6.0 |
| • Water Treatment Operator Level 3                                      | variable    | 6.0 |
| • Advanced Disinfection of Pipelines and Storage Facilities             |             | 0.2 |
| • Applied Mathematics                                                   |             | 0.3 |
| • Asbestos (General Industry)                                           |             | 0.1 |
| • Backflow Prevention & Cross Connection Control                        |             | 0.2 |
| • Basic Mathematics                                                     |             | 0.7 |
| • Coagulation, Flocculation and Sedimentation Basics                    |             | 0.3 |
| • Cross Connection Control Specialist Course                            |             | 3.0 |
| • Disinfection Basics                                                   |             | 0.3 |
| • Disinfection of Pipelines and Storage Facilities                      |             | 0.2 |
| • Distribution Service to Customers                                     |             | 0.3 |
| • Distribution System Materials and Equipment                           |             | 0.3 |
| • Electrical Safety (Construction)                                      |             | 0.1 |
| • Emergency Response Planning                                           |             | 0.2 |
| • Excavations (Construction)                                            |             | 0.1 |
| • Filtration Basics                                                     |             | 0.3 |
| • Financial Management Cost of Service Rate Making                      |             | 0.5 |
| • Fire Hydrant Operations & Maintenance                                 |             | 0.3 |
| • Flushing and Bacteriological Sampling                                 |             | 0.2 |
| • Fundamentals of Chemistry for Water Professionals                     |             | 0.8 |
| • GeoScience in Water Aquifers                                          |             | 0.2 |
| • Hearing Conservation                                                  |             | 0.1 |
| • Hydraulics                                                            |             | 0.8 |
| • Introduction to OSHA                                                  |             | 0.1 |
| • Lockout / Tagout                                                      |             | 0.1 |
| • Materials Handling (Construction)                                     |             | 0.1 |
| • Optimizing Performance Using Turbidity Data                           |             | 0.3 |
| • Permit-Required Confined Spaces                                       |             | 0.1 |
| • Personal Protective Equipment (Construction)                          |             | 0.1 |
| • Pipeline Repair                                                       |             | 0.3 |
| • Pollution Prevention                                                  |             | 0.1 |
| • Pump Maintenance                                                      |             | 0.2 |
| • PVC Pipe in the Field                                                 |             | 0.2 |
| • Respiratory Protection                                                |             | 0.1 |
| • Scaffolds (Construction)                                              |             | 0.1 |
| • Security Planning for Drinking Water Systems: An Operational Approach |             | 0.2 |
| • Spill Prevention Control and Countermeasure (SPCC)                    |             | 0.3 |
| • Storm Water Pollution Prevention                                      |             | 0.1 |
| • Water 101                                                             |             | 0.5 |

|                                                                                                           |         |     |
|-----------------------------------------------------------------------------------------------------------|---------|-----|
| • Watermain Installation                                                                                  |         | 0.3 |
| • Water System Mechanical Equipment                                                                       |         | 0.2 |
| • EL148 Introduction to the Utility                                                                       |         | 0.5 |
| • EL149 Basic Supervision                                                                                 |         | 0.5 |
| • EL151 Management Responsibilities                                                                       |         | 0.5 |
| • EL152 Management Styles                                                                                 |         | 0.5 |
| • EL154 Physical Infrastructure Management Program                                                        |         | 0.5 |
| • EL155 Water Supply and Demand Management                                                                | online  | 0.5 |
| • EL156 Establishing Leadership in the Organization                                                       |         | 0.5 |
| • EL157 Planning the Utility                                                                              |         | 0.5 |
| • EL158 Building the Utility                                                                              |         | 0.5 |
| • EL159 Financing the Utility                                                                             |         | 0.5 |
| • EL178 Revised Total Coliform Rule                                                                       |         | 0.4 |
| • EL208 Fire Hydrant Basics for Pressurized Water Systems                                                 |         | 0.1 |
| • EL209 Sewer Collection Piping Systems and Appurtenances                                                 |         | 0.2 |
| • EL211 Flushing and Bacteriological Testing                                                              | online  | 0.2 |
| • EL227 Backflow I (Prevention and Cross-Connection Control)                                              | online  | 0.2 |
| • EL228 Basic Math I and Chemistry I                                                                      | online  | 0.2 |
| • EL229 Membrane Processes                                                                                |         | 0.2 |
| • EL252 Water Compliance and Enforcement                                                                  |         | 0.2 |
| • EL260 Free Course: Facilitating Compliance with America's Water Infrastructure Act                      |         | 0.1 |
| • EL261 Security Practices for Operations and Management                                                  | online  | 0.1 |
| • EL262 Risk and Resilience of Water and Wastewater Systems                                               |         | 0.4 |
| • EL263 Emergency Planning                                                                                | online  | 0.2 |
| • EL264 Cybersecurity in the Water Sector                                                                 |         | 0.2 |
| • EL285 Corrosion Control Theory & Treatment Options                                                      |         | 0.2 |
| • EL297 Drought Preparedness and Response: Developing a Water Shortage Plan                               |         | 0.3 |
| • Be a Trusted Source: How to Handle Communication Challenges During COVID-19                             | webinar | 0.2 |
| • Coagulation & Oxidation Innovations: Using Machine Learning & Online Technology to Improve Your Process |         | 0.2 |
| • Low-Cost Pipe Condition Assessment with Hydrant Testing                                                 | online  | 0.1 |
| • Source Water Protection                                                                                 | webinar | 0.1 |
| • Machine-Intelligent Non-Acoustic Leak Detection                                                         | webinar | 0.1 |
| • Using AMI Data in Hydraulic Modeling                                                                    | online  | 0.3 |

**Anderson Pump House** <http://www.andersonpumphouse.com/>

|                  |  |     |
|------------------|--|-----|
| • Metering Pumps |  | 0.3 |
|------------------|--|-----|

**Anthratch Western Inc. (AWI)** [www.awifilter.com](http://www.awifilter.com)

|                       |  |      |
|-----------------------|--|------|
| • Filter Surveillance |  | 0.65 |
|-----------------------|--|------|

**Areva Resources Canada Inc.**

|                            |  |     |
|----------------------------|--|-----|
| • Lockout/Tagout           |  | 0.4 |
| • Confined Space Entry     |  | 0.4 |
| • Personal Fall Protection |  | 0.4 |

**Armour Safety Inc.** <http://armoursafety.com/>

|                                                               |  |     |
|---------------------------------------------------------------|--|-----|
| • Fall Protection                                             |  | 0.6 |
| • Confined Space Rescue w Safety, Spark Watch & SCBA, Level 3 |  | 0.8 |

|                                                         |           |     |
|---------------------------------------------------------|-----------|-----|
| • Standard First Aid / CPR                              | Red Cross | 1.6 |
| • Standard First Aid / CPR Recertification              | Red Cross | 0.8 |
| • Transportation of Dangerous Goods                     |           | 0.4 |
| • – Workplace Hazardous Materials Information System    |           | 0.3 |
| • Powered Mobile/Heavy Equipment Safety Training (OH&S) |           | 0.7 |
| • H2S Awareness                                         |           | 0.4 |
| • Ground Disturbance Level 2 – For Supervisors          |           | 0.5 |
| • Rigging and Hoisting                                  |           | 0.7 |
| • Global Ground Disturbance 2                           | various   | 0.7 |
| • Confined Space Entry (only)                           | various   | 0.6 |
| • Confined Space Entry & Rescue                         | various   | 0.8 |
| • Asbestos Awareness                                    | various   | 0.3 |

## Assembly of First Nations (AFN) <http://www.afn.ca/>

|                                                                                                                     |  |     |
|---------------------------------------------------------------------------------------------------------------------|--|-----|
| • Water and Wastewater Infrastructure in First Nations Communities: Past, Present and Future                        |  | 0.1 |
| • 1a – Capacity and Training: CRTP                                                                                  |  | 0.1 |
| • 1b – Contaminants in Water                                                                                        |  |     |
| • 1c – Innovative Technologies and Approaches: Case Studies                                                         |  |     |
| • 2a – Atlantic Perspective – Presentation on the importance of information collection:                             |  | 0.1 |
| • 2b – Procedure for Addressing Drinking Water Advisories in First Nation Communities South of 60°                  |  |     |
| • 3a – Community Based Water Monitors                                                                               |  | 0.1 |
| • 3b – First Nation – Municipal Community Infrastructure Partnership Program (CIPP)                                 |  |     |
| • 4a – Environment Canada - Wastewater Systems Effluent Regs                                                        |  | 0.1 |
| • 4b – Innovative Technologies and Approaches: Case Studies                                                         |  |     |
| • 4c – Guidelines for the review of Water and Wastewater Project Proposals in First Nation Communities South of 60° |  |     |
| • 5a – Fraser River Basin Council                                                                                   |  | 0.1 |
| • 5b – Capacity and Training: CRTP                                                                                  |  |     |
| • 5c – Innovative and Small systems Water Technology research - Interactive session                                 |  |     |
| • 6a – National Science Foundation (NSF 60/61) Standards                                                            |  | 0.1 |
| • 6b – How to manage risk – Operating within Protocols                                                              |  |     |
| • 7a – Integrated Water Safety Risk Assessments and Asset Management Solutions in First Nation Communities          |  | 0.1 |
| • 7b – Source Water Protection Planning                                                                             |  |     |
| • 7c – Collaboration with the Walkerton Clean Water Centre                                                          |  |     |
| • 8a – Introduction to cyanobacteria, their toxins, challenges in water treatment and management options.           |  | 0.1 |
| • 8b – The long term benefits of regular sampling and monitoring                                                    |  |     |
| • Managing Drinking Water systems for FN Communities                                                                |  | 0.7 |
| • 5752 Fundamentals of Maintenance Management Systems                                                               |  | 1.4 |
| • 14338 Operate & Maintain Disinfection Systems                                                                     |  | 0.4 |
| • 5753 Operation & Maintenance of Fire Hydrants                                                                     |  | 0.7 |
| • 14337 Watershed Monitoring & Source Water Protection                                                              |  | 0.4 |
| • 8493 Emergency Response for FN Operators                                                                          |  | 0.7 |
| • 3230 Record Keeping                                                                                               |  | 0.6 |

## Astec Safety

|                          |  |     |
|--------------------------|--|-----|
| • Confined Space Entry 1 |  | 0.7 |
| • Confined Space Entry 2 |  | 0.7 |

|                                                  |  |     |
|--------------------------------------------------|--|-----|
| • Ground Disturbance                             |  | 0.8 |
| • USP Supervising Ground Disturbance - ABCGA 201 |  | 0.5 |

**ATAP Infrastructure Management Ltd.** <http://www.atap.ca/courses.html>

|                                                                                                                                          |         |     |
|------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|
| • Class 1 Water Treatment/Distribution                                                                                                   | 5 days  | 3.0 |
| • Class 1 Wastewater Treatment/Collection                                                                                                | 5 days  | 3.0 |
| • Class 2 Water Treatment/Distribution                                                                                                   | 5 days  | 3.0 |
| • Class 2 Wastewater Treatment/Collection                                                                                                | 5 days  | 3.0 |
| • Class 3 / 4 Water Treatment                                                                                                            | 5 days  | 3.0 |
| • Class 3 / 4 Wastewater Treatment                                                                                                       | 5 days  | 3.0 |
| • Class 3 / 4 Water Distribution/Wastewater Collection                                                                                   | 5 days  | 3.0 |
| • Class 1 Water Treatment / Distribution and Class 1 Wastewater Treatment / Collection                                                   | 5 weeks | 6.0 |
| • Confined Space Entry                                                                                                                   |         | 0.6 |
| • Control Systems Troubleshooting Basics                                                                                                 |         | 0.6 |
| • Filter Surveillance & Optimization (formerly Filter Maintenance & Surveillance)                                                        |         | 0.6 |
| • Gas Chlorination (must attend both days)                                                                                               |         | 1.2 |
| • Hypo-Chlorination & Feeder Maintenance                                                                                                 |         | 0.6 |
| • Impact of Regulatory Changes for Operators                                                                                             |         | 0.6 |
| • Iron & Manganese Removal                                                                                                               |         | 0.6 |
| • Jar Testing                                                                                                                            |         | 0.6 |
| • Lagoon Operation and Maintenance                                                                                                       |         | 0.6 |
| • Membrane Filtration (class & practical)                                                                                                | 2 days  | 1.2 |
| • Membrane Filtration                                                                                                                    | 1 day   | 0.6 |
| • Water and Wastewater Foundations Course (previously titled; Operator Math & Science Preparatory Course, date changed November 6, 2014) | 3 days  | 1.8 |
| • Water Distribution System Maintenance                                                                                                  |         | 0.3 |
| • Watermain Swabbing                                                                                                                     |         | 0.6 |
| Extended version with half day hands on                                                                                                  |         | 1.0 |
| • Water & Wastewater Workers Safety                                                                                                      |         | 0.6 |
| • Wastewater Collection Maintenance (formerly Fall Maintenance – Collection Systems)                                                     |         | 0.6 |
| • WHMIS                                                                                                                                  |         | 0.3 |
| • Prince Albert Training Session                                                                                                         | various | 1.5 |
| • Standard Operating Procedures, Contingency Plans & Emergency Planning                                                                  | various | 0.6 |
| • Chloramination 101                                                                                                                     |         | 0.3 |
| • Sampling Techniques and Analysis for Water and Wastewater                                                                              |         | 0.3 |
| • Hydrant Operation                                                                                                                      |         | 0.3 |
| • Hydrant Operation and Maintenance                                                                                                      |         | 0.6 |
| • Hydrant Flow Testing                                                                                                                   | various | 0.6 |
| • Water Disinfection Techniques                                                                                                          | various | 0.6 |
| • Water Distribution Level 1 and 2                                                                                                       |         | 4.2 |
| • Wastewater Collection Level 1 and 2                                                                                                    |         | 4.2 |
| • Math and Science Fundamentals (2 day)                                                                                                  |         | 1.4 |
| • Biofiltration: Operation and Maintenance                                                                                               |         | 0.7 |
| • Math and Science Fundamentals                                                                                                          |         | 1.4 |
| • Water Distribution Level 3 and 4                                                                                                       |         | 4.0 |
| • Wastewater Collection Level 3 and 4                                                                                                    |         | 4.0 |
| • Sampling Techniques & Analysis                                                                                                         |         | 0.6 |
| • SARWP Half-Day Swabbing                                                                                                                |         | 0.3 |
| • Gas Chlorination (One-Day) On-line or Classroom                                                                                        |         | 0.6 |
| • Job Hazard Analysis Workshop                                                                                                           |         | 0.3 |
| • Pump & Valve Operation & Maintenance (SARWP)                                                                                           |         | 0.7 |

|                                                                          |  |      |
|--------------------------------------------------------------------------|--|------|
| • Pump & Valve Operation & Maintenance                                   |  | 0.3  |
| • Potable Water Reservoir Design, Operation & Maintenance                |  | 0.6  |
| • National Assoc of Sewer Services Companies Cert (NASSCO)               |  | 2.2  |
| • Wastewater Collection Math                                             |  | 1.2  |
| • Wastewater Collection Vol 1                                            |  | 1.8  |
| • Wastewater Collection Vol 2                                            |  | 2.1  |
| • Wastewater Treatment Vol 1                                             |  | 2.4  |
| • Wastewater Treatment Vol 2                                             |  | 3.0  |
| • Water Distribution Math                                                |  | 1.2  |
| • Water Distribution Volume 1                                            |  | 2.1  |
| • Working Through System Upgrades                                        |  | 0.6  |
| • Lift Station Operation & Maintenance                                   |  | 0.6  |
| • Water Treatment Volume 1                                               |  | 2.7  |
| • Water Treatment Volume 2                                               |  | 2.7  |
| • Two-Day Biofiltration Operation & Maintenance Workshop                 |  | 1.35 |
| • Wastewater Collection Systems – Evaluation and Performance Improvement |  | 1.2  |
| • Wastewater Collection Vol 2 (Ver 2 March 2023)                         |  | 1.5  |
| • 5-Day Math for Operators                                               |  | 2.3  |
| • Water Treatment Math                                                   |  | 1.5  |

## A2Z Safety & Training [www.a2zsafetyandtraining.ca/a2z-course-listings](http://www.a2zsafetyandtraining.ca/a2z-course-listings)

|                                            |  |     |
|--------------------------------------------|--|-----|
| • Confined Space Entry, Rescue and Monitor |  | 0.7 |
| • Fall Protection Certification            |  | 0.7 |

## Auditor Training Online

|                                       |        |     |
|---------------------------------------|--------|-----|
| • Internal Auditor Management Systems | online | 1.6 |
|---------------------------------------|--------|-----|

## Avin Water

|                                                                 |  |     |
|-----------------------------------------------------------------|--|-----|
| • Operation and Maintenance of Biological and RO Systems        |  | 1.0 |
| • Operation and Maintenance of Filtration and Greensand Systems |  | 0.8 |

## BC Water & Waste Association (BCWWA)

|                     |  |     |
|---------------------|--|-----|
| • Water Treatment 1 |  | 4.0 |
|---------------------|--|-----|

## Blackjack Holdings

|                                     |  |     |
|-------------------------------------|--|-----|
| • Ground Disturbance Level II       |  | 0.4 |
| • Transportation of Dangerous Goods |  | 0.4 |
| • Fall Protection                   |  | 0.4 |
| • Basic Fire (Fire Awareness)       |  | 0.4 |

## Boots on the Ground Coaching [www.bootsonthegroundcoaching.com](http://www.bootsonthegroundcoaching.com)

|                                                                                     |  |     |
|-------------------------------------------------------------------------------------|--|-----|
| • Tools for High Performing Leaders                                                 |  | 2.1 |
| • 4 Tools for High Performing Leaders                                               |  | 1.2 |
| • Leading A High Performing Team                                                    |  | 1.2 |
| • Affirmation and Correction: 2 sides of the same coin                              |  | 0.3 |
| • Engaging Employees: Hearing their input and how to implement it in your workplace |  | 0.3 |
| • Effective Communication                                                           |  | 0.3 |
| • Controlling Your Time, Your Schedule and Your Priorities                          |  | 0.3 |

|                                                                   |  |     |
|-------------------------------------------------------------------|--|-----|
| • Execution: Making sure the important things get done every time |  | 0.3 |
| • Leading Productive Conflict                                     |  | 0.3 |
| • How to Set and Measure Clear Expectations.03                    |  | 0.3 |
| • True Accountability Changes Results                             |  | 0.3 |
| • Leading Productive Change                                       |  | 0.3 |
| • Leading a Multigenerational Team                                |  | 0.3 |

**California State University – Sacramento (CalState)** <http://www.owp.csus.edu/>

|                                                                      |           |     |
|----------------------------------------------------------------------|-----------|-----|
| • Water Treatment Plant Operation                                    | Volume 1  | 9.0 |
| • Water Treatment Plant Operation                                    | Volume 2  | 9.0 |
| • Water Distribution System Operation and Maintenance                |           | 9.0 |
| • Small Water System Operation & Maintenance                         |           | 9.0 |
| • Wastewater Treatment: Facilities and Pre-treatment                 | WAT 601A  | 1.8 |
| • Pre-Treatment Facility Inspection                                  |           | 9.0 |
| • Small Water Systems – Wells                                        |           | 1.5 |
| • Math Applications in Water Treatment                               |           | 2.1 |
| • Math Applications in Water Distribution                            |           | 1.9 |
| • Utility Management                                                 | Post 2003 | 2.0 |
| • Managing for Success: Effective Utility Leadership                 |           | 4.5 |
| • Operation of Wastewater Treatment Plants                           | Volume 1  | 9.0 |
| • Operation of Wastewater Treatment Plants                           | Volume 2  | 9.0 |
| • Advanced Waste Treatment                                           | Volume 1  | 9.0 |
| • Operation & Maintenance of Wastewater Collection Systems           | Volume 1  | 9.0 |
| • Operation & Maintenance of Wastewater Collection Systems           | Volume 2  | 9.0 |
| • Small Wastewater System Operation & Maintenance                    | Volume 1  | 9.0 |
| • Small Wastewater System Operation & Maintenance                    | Volume 2  | 9.0 |
| • Industrial Waste Treatment                                         | Volume 1  | 9.0 |
| • Industrial Waste Treatment                                         | Volume 2  | 9.0 |
| • Safety, Beginning Treatment and Lagoon Systems                     |           | 4.0 |
| • Secondary Treatment                                                |           | 3.6 |
| • Disinfection, Laboratory Procedures and Math                       |           | 4.3 |
| • Membrane Bioreactors                                               |           | 1.0 |
| • Collection System Operation and Maintenance Training               |           | 0.6 |
| • Collection Systems: Methods for Evaluation & Improving Performance |           | 0.6 |
| • Treatment of Metal Wastestreams                                    |           | 2.6 |
| • Pretreatment Facility Inspection                                   |           | 9.0 |
| • Pretreatment Facility Inspection Training Videos                   |           | 0.6 |

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

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

|                                                |  |     |
|------------------------------------------------|--|-----|
| • Job Hazard Analysis (JHA)                    |  | 0.3 |
| • MD Hearing Conservation                      |  | 0.3 |
| • CAM Electrical Safety – Nonelectrical Worker |  | 0.1 |
| • MD AWP (Aerial Work Platform)                |  | 0.8 |
| • MD Overhead Crane, Hoisting & Rigging        |  | 0.8 |
| • Level 1 Occupational Health Committee (OHC)  |  | 1.2 |
| • TDG                                          |  | 0.3 |
| • CAM Fire Extinguishers Portable              |  | 0.2 |
| • MD Forklift                                  |  | 0.8 |

### **CAN Safety Training & Consulting**

|                                          |  |     |
|------------------------------------------|--|-----|
| • Aerial Lift Training                   |  | 1.4 |
| • Cargo Securement                       |  | 0.4 |
| • Confined Space Training Entry & Rescue |  | 0.7 |
| • Fall Protection                        |  | 0.7 |
| • Forklift Training                      |  | 1.4 |
| • Ground Disturbance                     |  | 0.4 |
| • Overhead Crane                         |  | 0.7 |
| • Payloader Training                     |  | 1.3 |
| • Rigging Training                       |  | 0.7 |
| • Skid Steer Training                    |  | 1.3 |
| • Truck Mounted Crane                    |  | 0.7 |
| • Trailer Towing & Cargo Securement      |  | 0.7 |

### **Canadian Association for Laboratory Accreditation Inc. (CALA)** <http://www.cala.ca/>

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

### **Canadian Center for Occupational Health & Safety**

|                                                     |        |     |
|-----------------------------------------------------|--------|-----|
| • WHMIS 2015                                        |        | 0.4 |
| • Fire Hydrant Basics for Pressurized Water Systems | online | 0.1 |

### **Canadian Safety Training**

|                                       |  |     |
|---------------------------------------|--|-----|
| • Chlorine Safety                     |  | 0.3 |
| • Confined Space – Awareness Training |  | 0.4 |
| • WHMIS 2015                          |  | 0.3 |

### **Canadian Trainers Foundation**

|                   |  |     |
|-------------------|--|-----|
| • Chainsaw Safety |  | 1.6 |
|-------------------|--|-----|

### **Canwit Consulting Corp.** <http://www.canwit.com/index.htm>

|                             |         |     |
|-----------------------------|---------|-----|
| • WHMIS – Self Study Course | various | 0.2 |
|-----------------------------|---------|-----|

### **Capital Safety** <http://www.capitalsafetytraining.com/>

|                                                                 |  |     |
|-----------------------------------------------------------------|--|-----|
| • DBI/SALA Fall Protection General Awareness, BPWTP             |  | 0.4 |
| • DBI/SALA Fall Protection equipment Inspection Training, BPWTP |  | 0.4 |

## Carl Kot

|                                             |  |     |
|---------------------------------------------|--|-----|
| • Operations & Maintenance of Current Plant |  | 0.6 |
|---------------------------------------------|--|-----|

## Cervus Equipment

|                                                          |  |     |
|----------------------------------------------------------|--|-----|
| • Skid Steer Safety Training                             |  | 0.4 |
| • Ff Work Platform Operator Safety Training              |  | 0.4 |
| • Forklift Operator Safety Training                      |  | 0.4 |
| • Mobile Elevated Work Platform Operator Safety Training |  | 0.4 |
| • Fall Protection                                        |  | 0.4 |

## Chase Operator Training Ltd <http://www.chaseot.com/>

|                                  |  |     |
|----------------------------------|--|-----|
| • Skid Steer Operator Training   |  | 0.5 |
| • Wheel Loader Operator Training |  | 0.5 |
| • Picker Truck Operator Training |  | 0.5 |
| • Backhoe Operator Training      |  | 0.5 |
| • Excavator Operator Training    |  | 0.5 |

## City of Prince Albert <http://www.citypa.ca/>

|                                                  |         |      |
|--------------------------------------------------|---------|------|
| • WHMIS 2015                                     | various | 0.4  |
| • Fall Protection                                | various | 0.5  |
| • Flag Person                                    | various | 0.3  |
| • Fit for Duty Manager Training                  |         | 0.3  |
| • Red Cross (Blended) Standard First Aid / CPR C |         | 1.4  |
| • Utility Advanced Line Locating                 |         | 11.5 |

## City of Regina [www.regina.ca](http://www.regina.ca)

|                                                                    |      |     |
|--------------------------------------------------------------------|------|-----|
| • Fleet Training & Safety – Ground Disturbance                     |      | 0.4 |
| • Fleet Training & Safety – Payloader Training                     |      | 1.6 |
| • Fleet Training & Safety – Rigging Training                       |      | 0.8 |
| • Fleet Training & Safety – Skid Steer Training                    |      | 1.6 |
| • Fleet Training & Safety – Aerial Lift Training                   |      | 1.5 |
| • Fleet Training & Safety – Asbestos Pipe Removal                  |      | 0.4 |
| • Fleet Training & Safety – Forklift Training                      |      | 1.6 |
| • Fleet Training & Safety–Confined Space Training Entry & Rescue   | 2016 | 0.7 |
| • Fleet Training & Safety – Overhead Crane                         | 2016 | 0.7 |
| • Fleet Training & Safety – Truck Mounted Crane                    | 2016 | 0.6 |
| • Fleet Training & Safety – Traffic Accommodation/Traffic Flagging | 2016 | 0.4 |
| • Fleet Training & Safety – Trailer Towing & Cargo Securement      | 2016 | 0.6 |
| • Fleet Training & Safety – Fall Protection                        | 2016 | 0.7 |
| • Corrective Discipline                                            |      | 0.2 |
| • Dealing with Conflict                                            |      | 0.3 |
| • Difficult Conversations                                          |      | 0.3 |
| • Hazard and Risk Assessment                                       |      | 0.3 |
| • Leadership Development – Learn, Grow, Achieve                    |      | 0.3 |
| • Mental Health First Aid                                          |      | 1.3 |
| • Accident and Incident                                            |      | 0.3 |
| • Contract and Procurement Process & Orbidding Training            |      | 1.3 |
| • Performance Management                                           |      | 0.2 |
| • OHS Roles & Responsibilities                                     |      | 0.3 |

**City of Saskatoon** [www.saskatoon.ca/](http://www.saskatoon.ca/)

|                                                              |         |      |
|--------------------------------------------------------------|---------|------|
| • Asbestos Awareness (AC Pipe SOP), C. Davidson              | various | 0.2  |
| • WHMIS 2015 (online) Danatec                                |         | 0.3  |
| • Incident Management System                                 |         | 0.2  |
| • Municipal Project Management                               |         | 3.2  |
| • ICS 200 Basic Incident Command System                      |         | 1.2  |
| • ICS 300 Intermediate Command System                        |         | 2.0  |
| • Own Your Zone                                              |         | 0.4  |
| • Equipment Training – Ditch Witch Trencher                  |         | 1.5  |
| • Equipment Training – Excavator                             |         | 1.5  |
| • Equipment Training – Forklift                              |         | 1.5  |
| • Equipment Training – Backhoe                               |         | 1.5  |
| • Equipment Training – Wheel Loader                          |         | 1.5  |
| • Equipment Training – Skid Steer                            |         | 1.5  |
| • Equipment Training – Sewer Flusher                         |         | 1.5  |
| • WHMIS 2015                                                 | online  | 0.2  |
| • MELT (Mandatory Entry Level Training Class 1)              |         | 12.0 |
| • Low-Cost Pipe Condition Assessment with Hydrant Testing    | online  | 0.1  |
| • Situational Leadership – Building Leaders                  |         | 2.4  |
| • Fire Flow Testing and Assessing Distribution System Health |         | 0.15 |
| • Trench Safety                                              |         | 0.3  |

**CLOW Canada** [www.clowcanada.com](http://www.clowcanada.com)

|                                                                             |  |     |
|-----------------------------------------------------------------------------|--|-----|
| • The Benefits of Implementing a Fire Hydrant and Valve Maintenance Program |  | 0.6 |
|-----------------------------------------------------------------------------|--|-----|

**Contech Safety and Training Ltd** <http://www.contechsafety.ca>

|                                                                                              |  |     |
|----------------------------------------------------------------------------------------------|--|-----|
| • Electrical Safety for Electrical/Non Electrical Workers within Water/Wastewater Facilities |  | 1.1 |
|----------------------------------------------------------------------------------------------|--|-----|

**CPWA**

|                                                                     |        |     |
|---------------------------------------------------------------------|--------|-----|
| • Wastewater Collection Systems- The Good, The Bad, & The Very Ugly | online | 0.6 |
|---------------------------------------------------------------------|--------|-----|

**Corix Water Products**

|                                            |         |     |
|--------------------------------------------|---------|-----|
| • AWWA C504 Butterfly Valves and Actuators | various | 0.6 |
|--------------------------------------------|---------|-----|

**Credenda Virtual High School & College (Water Tech Course)**

|                                                |  |     |
|------------------------------------------------|--|-----|
| • WWW101 Water Distribution 1                  |  | 6.0 |
| • WWW102 Water Treatment 1                     |  | 8.0 |
| • WWW103 Wastewater Collection Systems         |  | 6.0 |
| • WWW104 Wastewater Treatment 1                |  | 9.0 |
| • WWW110 Science and Electricity               |  | 4.0 |
| • WWW112 Hydraulics and Blueprint Reading      |  | 5.0 |
| • WWW115 Water Treatment Laboratory Analysis 1 |  | 1.6 |
| • WWW140 Computer Software Applications        |  | 3.0 |
| • WWW201 Water Distribution 2                  |  | 6.0 |
| • WWW202 Water Treatment 2                     |  | 9.0 |
| • WWW203 Support Systems                       |  | 9.0 |

|                                                     |  |     |
|-----------------------------------------------------|--|-----|
| • WWW204 Wastewater Treatment 2                     |  | 9.0 |
| • WWW210 Introduction to Process Control            |  | TBD |
| • WWW213 Wastewater Collection Systems              |  | 5.0 |
| • WWW215 Water Treatment Laboratory Analysis 2      |  | 1.2 |
| • WWW220 Wastewater Treatment Laboratory Analysis 2 |  | 1.2 |

**Cumberland College** [www.cumberlandcollege.sk.ca](http://www.cumberlandcollege.sk.ca)

|                                            |         |     |
|--------------------------------------------|---------|-----|
| • Red Cross First Aid / CPR / AED          | various | 2.0 |
| • Construction Safety Training Certificate | various | 0.5 |
| • WHMIS                                    | various | 0.3 |
| • Confined Space Entry & Rescue            | various | 1.2 |
| • Power Mobile Equipment Operator          | various | 0.7 |
| • Fire Safety – Fire Extinguisher          | various | 0.7 |

**Danatec** [www.danatec.com](http://www.danatec.com)

|                                         |  |     |
|-----------------------------------------|--|-----|
| • WHMIS 2015 (online)                   |  | 0.3 |
| • TDG Transportation of Dangerous Goods |  | 0.3 |

**David H. Paul Inc. Training – Correspondence** <http://www.dhptraining.com/dhp/>

|                                                             |          |     |
|-------------------------------------------------------------|----------|-----|
| <b>Reverse Osmosis Water Treatment Specialist Program</b>   |          |     |
| • Course – 1 Math, Chemistry, Biology                       | Book 145 | 3.0 |
| • Course – 2 Reverse Osmosis                                | Book 146 | 3.0 |
| • Course – 3 RO Troubleshooting / Cleaning                  | Book 147 | 3.0 |
| • RO Operation – Hands On                                   | various  | 0.7 |
| • RO Chemical Cleaning – Hands On                           | various  | 0.7 |
| • Advanced RO Chemical Cleaning – Hands On                  | various  | 0.7 |
| • RO Analytical Troubleshooting – Hands On                  | various  | 0.7 |
| • RO Mechanical Troubleshooting – Hands On                  | various  | 0.7 |
| • Reverse Osmosis 101                                       | various  | 0.7 |
| • Monitoring & Troubleshooting of RO Units – Hands On       | various  | 0.7 |
| • Operation, Control & Maintenance of RO Pre-treatment      | various  | 0.7 |
| • Operation, Control & Maintenance of RO Units – Hands On   | various  | 0.7 |
| • Optimal Design & Operation of RO Systems                  | various  | 2.1 |
| • Optimal Design & Operation of RO Systems (Revised 2 days) | various  | 1.4 |
| • RO Monitoring and Troubleshooting OLC 118                 | online   | 1.2 |
| • ROSI – Reverse Osmosis Specialist Level I                 | online   | 3.2 |
| • OLC501 – OCM of RO Systems (ROSI)                         | online   | 2.4 |
| • OLC110 – Introduction to Water Treatment                  | online   | 0.8 |
| • OLC111 – Water Treatment Plant Fundamentals               | online   | 0.9 |
| • OLC112 – Water Treatment Math                             | online   | 0.5 |
| • OLC113 – Water Treatment Chemistry                        | online   | 0.9 |
| • OLC115 – Piping and Instrumentation Diagrams              | online   | 0.3 |
| • OLC116 – Reverse Osmosis Water Treatment                  | online   | 1.1 |
| • OLC117 – Reverse Osmosis Operation and Maintenance        | online   | 1.1 |
| • OLC120 – Membrane Filtration 101                          | online   | 1.0 |

**Dawn Noeth**

|                                                 |  |     |
|-------------------------------------------------|--|-----|
| • Standard First Aid CPR AED Recertified Course |  | 0.8 |
|-------------------------------------------------|--|-----|

**D. B. Safety Solutions Inc.**

|                     |  |     |
|---------------------|--|-----|
| • Train The Trainer |  | 1.6 |
|---------------------|--|-----|

## Delco Automation Inc

|                        |  |     |
|------------------------|--|-----|
| • SIBROM Training Plan |  | 1.0 |
| • RO System Training   |  | 1.0 |

## Digital-2000 Inc. <http://www.digital-2000.com/>

| Module                                      | Time (minutes) | CEU |
|---------------------------------------------|----------------|-----|
| • Chemical Safety                           | 63             | 0.1 |
| • First Aid                                 | 103            | 0.2 |
| • Field Equipment Module I                  | 103            | 0.2 |
| • Field Equipment Module II                 | 66             | 0.1 |
| • Tool Safety                               | 60             | 0.1 |
| • Elevated Work                             | 61             | 0.1 |
| • Treatment Plant                           | 107            | 0.2 |
| • Field Operations Safety Module I          | 74             | 0.1 |
| • Field Operations Safety Module II         | 60             | 0.1 |
| • Field Operations Safety Module III        | 64             | 0.1 |
| • Personal Protective Equipment             | 101            | 0.2 |
| • Electrical Safety                         | 67             | 0.1 |
| • Shop Safety                               | 72             | 0.1 |
| • General Safety Module I                   | 102            | 0.2 |
| • General Safety Module II                  | 70             | 0.1 |
| • Water/Wastewater operations Safety Module | 91             | 0.2 |
| • Security and Disaster Preparedness Module | 99             | 0.2 |
| • Administrative Module                     | 60             | 0.0 |

## Echologics [www.echologics.com](http://www.echologics.com)

|                        |  |     |
|------------------------|--|-----|
| • Water Leak Detection |  | 1.5 |
|------------------------|--|-----|

## Edmonton Waste Management Centre of Excellence

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

## Edwards School of Business University of Saskatchewan

|                                      |  |     |
|--------------------------------------|--|-----|
| • The Leadership Development Program |  | 3.5 |
|--------------------------------------|--|-----|

## Energy Guard Water Technologies

|                                              |  |     |
|----------------------------------------------|--|-----|
| • Reverse Osmosis – Operations & Maintenance |  |     |
| • Basics of Membrane Treatment               |  | 0.6 |
| • Advanced Membrane Treatment                |  | 0.6 |
| • Softeners and Filter Performance           |  | 0.6 |

## Energy Guard Water Technologies

|                                              |  |  |
|----------------------------------------------|--|--|
| • Reverse Osmosis – Operations & Maintenance |  |  |
|----------------------------------------------|--|--|

## Energy Safety Canada

|             |  |     |
|-------------|--|-----|
| • H2S Alive |  | 0.6 |
|-------------|--|-----|

## Engineered Pipe Group

|                                                     |  |     |
|-----------------------------------------------------|--|-----|
| • Butt Fusion of HDPE (High Density Polyethylene)   |  | 0.4 |
| • Electrofusion of HDPE (High Density Polyethylene) |  | 0.4 |

## EOCP

|                                                   |              |     |
|---------------------------------------------------|--------------|-----|
| • Automatic Control Valve Application & Operation | Singer Valve | 1.2 |
|---------------------------------------------------|--------------|-----|

## Epcor

|                                                      |         |     |
|------------------------------------------------------|---------|-----|
| • WIKT Conference                                    |         | 0.4 |
| • Water Innovation and Knowledge Transfer Conference | virtual | 0.3 |

## eSafetyFirst

|         |  |     |
|---------|--|-----|
| • WHMIS |  | 0.4 |
|---------|--|-----|

## Evergreen Safety & Training

|                                     |         |     |
|-------------------------------------|---------|-----|
| • Global Ground Disturbance Level 2 | various | 0.7 |
|-------------------------------------|---------|-----|

## Federation of Sovereign Indigenous Nations (FSIN)

|                                                     |  |     |
|-----------------------------------------------------|--|-----|
| • Saskatchewan First Nations Water Operations Forum |  | 1.3 |
| • FSIN / AFN Water Legislation / O&M Policy Review  |  | 1.1 |

## File Hills Qu'Appelle Tribal Council <http://fhqtc.com>

|                    |  |     |
|--------------------|--|-----|
| • FHQ WTP Workshop |  | 0.5 |
|--------------------|--|-----|

## First Aid for Life Consulting & Training Inc.

|                                                              |  |      |
|--------------------------------------------------------------|--|------|
| • Cdn Red Cross Standard First Aid CPR C/AED                 |  | 1.6  |
| • Cdn Red Cross Standard First Aid CPR C/AED Recertification |  | 0.8  |
| • Cdn Red Cross Emergency First Aid / CPR / AED One Day      |  | 0.8  |
| • Cdn Red Cross Emergency First Aid / CPR / AED Renewal      |  | 0.45 |

## Fred Pryor Seminars <http://www.pryor.com/site/default.aspx>

|                                         |  |     |
|-----------------------------------------|--|-----|
| • Facilities Management                 |  | 1.2 |
| • Criticism and Discipline for Managers |  | 0.6 |
| • Managing with Assertive Confidence    |  | 0.6 |

## Global Training Center <http://globaltrainingcentre.com/>

|                                                                 |  |     |
|-----------------------------------------------------------------|--|-----|
| • Global Ground Disturbance Level II                            |  | 0.7 |
| • Electrical Safety Training Systems for Non-Electrical Workers |  | 0.6 |

## Government of Canada

|                                                              |  |     |
|--------------------------------------------------------------|--|-----|
| • Saskatchewan First Nations Water Quality Monitors Workshop |  | 1.4 |
|--------------------------------------------------------------|--|-----|

## Great Plains College

|                                   |  |     |
|-----------------------------------|--|-----|
| • Confined Space                  |  | 0.8 |
| • Microsoft Excel 2016 – Level I  |  | 0.9 |
| • Microsoft Excel 2016 – Level II |  | 0.9 |

## Hach Canada <http://www.hach.com>

|                                                                                                           |         |     |
|-----------------------------------------------------------------------------------------------------------|---------|-----|
| • Introduction to Water & Disinfection & Turbidity                                                        | various | 0.7 |
| • Process Instrument Verification                                                                         | various | 0.6 |
| • Coagulation & Oxidation Innovations: Using Machine Learning & Online Technology to Improve Your Process |         | 0.2 |
| • Practical Methods for Testing Water I                                                                   |         | 0.6 |

## Hayes Training & Development Group <http://www.hayestdg.com/>

|                                                            |  |     |
|------------------------------------------------------------|--|-----|
| • Woodland Trainer Association Chainsaw Level I, II or III |  | 0.7 |
|------------------------------------------------------------|--|-----|

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

|                                            |            |     |
|--------------------------------------------|------------|-----|
| • Standard First Aid, includes CPR and AED | biological | 1.6 |
|--------------------------------------------|------------|-----|

## Haztech Energy Corp

|                                                |  |     |
|------------------------------------------------|--|-----|
| • Asbestos Awareness                           |  | 0.4 |
| • Chlorine Safety                              |  | 0.7 |
| • Confined Space                               |  | 0.7 |
| • Fall Protection                              |  | 0.7 |
| • Hoisting & Rigging                           |  | 0.7 |
| • Load Securement                              |  | 0.4 |
| • Overhead Travelling Crane                    |  | 0.7 |
| • Positive Pressure Breathing Apparatus (SCBA) |  | 0.4 |
| • TDG                                          |  | 0.4 |

## Health Canada

|                                                                                 |  |     |
|---------------------------------------------------------------------------------|--|-----|
| • Monitoring the Biological Stability of Drinking Water in Distribution Systems |  | 0.2 |
|---------------------------------------------------------------------------------|--|-----|

## Heart and Stroke

|                                     |  |     |
|-------------------------------------|--|-----|
| • Basic Life Support Provider (BLS) |  | 0.3 |
|-------------------------------------|--|-----|

## Heavy Construction Safety Association of Sask. Inc. (HCSAS) <http://www.hcsas.sk.ca/>

|                                                                                 |       |     |
|---------------------------------------------------------------------------------|-------|-----|
| • Basic Fall Arrest                                                             |       | 0.8 |
| • Basic Hoisting and Rigging (includes International Hand Signals for Hoisting) |       | 1.4 |
| • Certified Classroom Training                                                  | PARWU | 0.6 |
| • Confined Space Rescue Level 1                                                 |       | 0.4 |
| • Confined Space Rescue Level 2                                                 |       | 0.7 |
| • Construction Safety Training System (CSTS)                                    |       | 0.4 |
| • Ground Disturbance Level 1                                                    |       | 0.4 |
| • Ground Disturbance Level 2                                                    |       | 0.7 |

|                                                             |        |     |
|-------------------------------------------------------------|--------|-----|
| • Powered Mobile Equipment, various locations and trainers  | TBA    | 0.7 |
| • Principles of Health & Safety Management                  | PARWU  | 0.3 |
| • Roadbuilders Safety Training System (Modules 1 through 9) |        | 0.6 |
| • Safety Excellence Leadership                              | PARWU  | 0.9 |
| • Transportation of Dangerous Goods                         |        | 0.4 |
| • WHMIS Train the Trainer                                   | PARWU  | 0.3 |
| • Confined Space Awareness                                  | online | 0.1 |
| • Fall Protection Awareness                                 | online | 0.1 |

### Hest Safety Consulting <http://hestsafety.ca/training/>

|                                                           |  |     |
|-----------------------------------------------------------|--|-----|
| • Aerial Work Platform Awareness                          |  | 0.5 |
| • Confined Space Entry                                    |  | 0.8 |
| • Fall Protection Awareness                               |  | 0.6 |
| • Occupational Health & Safety Committee Training Level I |  | 1.2 |
| • Occupational Health & Safety Committee Training Level 2 |  | 1.2 |
| • Powered Mobile Equipment Training                       |  | 0.8 |
| • Supervision and Safety Training                         |  | 0.8 |
| • WHMIS 2015                                              |  | 0.4 |

### Hetek Solutions Inc. <https://www.hetek.com/>

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

### Hutch Ambulance Service

|                                              |  |     |
|----------------------------------------------|--|-----|
| • Standard First Aid / CPR C Recertification |  | 0.7 |
|----------------------------------------------|--|-----|

### Hydraulic Safety Authority of Canada Inc. [www.hsac.ca](http://www.hsac.ca)

|                                                                |  |     |
|----------------------------------------------------------------|--|-----|
| • Hydraulic Safety High Risk Management Level – Instructor Led |  | 1.4 |
| • Hydraulic Safety High Risk Management Level – E Learning     |  | 0.7 |

### IM Safety Service

|                  |         |     |
|------------------|---------|-----|
| • Confined Space | various | 0.7 |
|------------------|---------|-----|

### Indian and Northern Affairs Canada <http://www.ainc-inac.gc.ca/index-eng.asp>

|                                                                |  |     |
|----------------------------------------------------------------|--|-----|
| • Protocol for Safe Drinking Water in First Nation Communities |  | 0.7 |
|----------------------------------------------------------------|--|-----|

### Indiana State University <http://www.indstate.edu/distance/>

|                     |  |     |
|---------------------|--|-----|
| • Basic Supervision |  | 5.0 |
| • Basic Management  |  | 5.0 |

### Integrated Water Systems Inc.

|                                                    |  |     |
|----------------------------------------------------|--|-----|
| • Membranes in Water Treatment                     |  | 0.6 |
| • MF & UF Operation – Membranes in Water Treatment |  | 0.3 |
| • NF & RO Membranes Operation                      |  | 0.3 |

|                                                    |        |     |
|----------------------------------------------------|--------|-----|
| • Membranes in Water Treatment                     | online | 0.6 |
| • NF & RO Membranes Operation                      | online | 0.3 |
| • MF & UF Operation – Membranes in Water Treatment | online | 0.3 |
| • Ammonia and Chlorine in the Water                | online | 0.3 |
| • Biological Filtration and Membranes              |        | 0.6 |

### **Ironclad Safety / Eagle Spirit Safety Co. Ltd.**

|                  |                |     |
|------------------|----------------|-----|
| • WHMIS          | various/online | 0.2 |
| • TDG            | various/online | 0.4 |
| • Confined Space | various/online | 0.4 |

### **J & T First AID Consulting Inc.**

|                                                        |         |     |
|--------------------------------------------------------|---------|-----|
| • Red Cross Standard First AID CPR AED Recertification | various | 0.8 |
| • Red Cross Standard First AID CPR AED                 | various | 1.6 |

### **John Brooks Company Ltd.**

|                                                                                               |  |     |
|-----------------------------------------------------------------------------------------------|--|-----|
| • Fundamentals of Pumping; Centrifugal Pump Basics, Hydraulics Applications & Troubleshooting |  | 0.6 |
|-----------------------------------------------------------------------------------------------|--|-----|

### **Joni Brisbin Consulting (JBC)**

|                                                         |  |     |
|---------------------------------------------------------|--|-----|
| • Level 1 and 2 Water Treatment Operator Cert Exam Prep |  | 3.3 |
|---------------------------------------------------------|--|-----|

### **JS Industries**

|                                                           |  |     |
|-----------------------------------------------------------|--|-----|
| • National Assoc of Sewer Service Companies Cert (NASSCO) |  | 2.2 |
|-----------------------------------------------------------|--|-----|

### **Levelton Consultants Ltd.**

|                                                                 |  |     |
|-----------------------------------------------------------------|--|-----|
| • Asbestos Awareness for Water/Wastewater Operators, Jim Bagley |  | 0.6 |
|-----------------------------------------------------------------|--|-----|

### **Lifesaving Society**

|                                           |  |     |
|-------------------------------------------|--|-----|
| • Aquatic Emergency Care with CPR-C & AED |  | 2.4 |
|-------------------------------------------|--|-----|

### **Meadow Lake Tribal Council**

|                                                          |  |     |
|----------------------------------------------------------|--|-----|
| • Operation and Maintenance of Biological and RO Systems |  | 1.0 |
|----------------------------------------------------------|--|-----|

### **Michigan State University** <http://www.msu.edu/>

|                                                          |  |     |
|----------------------------------------------------------|--|-----|
| • Supervisory Management in the Water / Wastewater Field |  | 6.0 |
| • Maintenance Management in the Water / Wastewater Field |  | 6.0 |

### **MicroAge & Buffalo Pound Water Treatment Corporation**

|                                         |  |     |
|-----------------------------------------|--|-----|
| • Access 2016 Level 1 – Database Design |  | 1.2 |
|-----------------------------------------|--|-----|

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

|                                               |         |     |
|-----------------------------------------------|---------|-----|
| • Level 1 Occupational Health Committee (OHC) | various | 0.7 |
| • Level 2 Occupational Health Committee (OHC) | various | 0.7 |
| • Supervision & Safety                        | various | 0.7 |

|                                         |         |     |
|-----------------------------------------|---------|-----|
| • Fire Extinguisher Training            | various | 0.3 |
| • Chainsaw Safety                       | various | 1.6 |
| • PCS WHMIS 2015 Theory & Site Specific |         | 0.4 |

### **MPE Engineering Ltd.**

|                             |  |     |
|-----------------------------|--|-----|
| • SCADA Operations Training |  | 0.3 |
|-----------------------------|--|-----|

### **Mueller Canada**

|                                                    |  |     |
|----------------------------------------------------|--|-----|
| • Mueller Water Products Training                  |  | 0.5 |
| • Mueller Hydrant, Machine and Tool Course         |  | 0.4 |
| • Water Leak Detection                             |  | 1.5 |
| • Hydrant Valve and Service Brass Training Mueller |  | 0.3 |

### **Municipal Utilities Central Ltd.**

|                                                       |  |     |
|-------------------------------------------------------|--|-----|
| • Membrane Treatment Process WTP Operator Orientation |  | 0.7 |
|-------------------------------------------------------|--|-----|

### **Nalco Water**

|                            |  |     |
|----------------------------|--|-----|
| • Analytical Field Testing |  | 0.1 |
| • Fundamentals of Water    |  | 0.4 |
| • Reverse Osmosis 101      |  | 0.1 |
| • Safe Chemical Handling   |  | 0.1 |
| • Water Safety             |  | 0.1 |

### **Neptune**

|                                       |         |     |
|---------------------------------------|---------|-----|
| • Improving Utility Operation         | webinar | 0.1 |
| • Installation Best Practices Webinar | webinar | 0.1 |
| • Meter Testing Overview Webinar      | webinar | 0.1 |
| • Migration from On-Premise to Cloud  | webinar | 0.1 |
| • RF 101 Webinar                      | webinar | 0.1 |

### **NexLev Solutions**

|                                               |         |     |
|-----------------------------------------------|---------|-----|
| • Business & Project Management Framework     | various | 1.3 |
| • Wastewater Treatment and Collection 1       |         | 3.0 |
| • Wastewater Treatment and Collection 2 and 3 |         | 4.4 |

### **North American Society for Trenchless Technology (NASTT)**

|                                          |  |     |
|------------------------------------------|--|-----|
| • NASTT's Laterals Good Practices Course |  | 0.4 |
|------------------------------------------|--|-----|

### **Northern Lakes College**

|                                                                     |  |     |
|---------------------------------------------------------------------|--|-----|
| • Level 1 Water & Wastewater Certification Preparation Live On-Line |  | 3.0 |
|---------------------------------------------------------------------|--|-----|

### **Northern Strands**

|                          |  |     |
|--------------------------|--|-----|
| • Below the Hook Rigging |  | 0.7 |
|--------------------------|--|-----|

## North West Fire

|                                              |  |     |
|----------------------------------------------|--|-----|
| • Fire Fighter Personal Protective Equipment |  | 1.3 |
| • Ground Ladders                             |  | 0.9 |
| • Hazardous Materials                        |  | 1.0 |
| • Portable Fire Extinguishers                |  | 0.4 |
| • Ropes and Knots                            |  | 0.7 |
| • Water Supply                               |  | 0.4 |

## North West Regional College <https://northwestcollege.ca>

|                                     |         |     |
|-------------------------------------|---------|-----|
| • Fireman's Certificate Prep Course | various | 6.0 |
|-------------------------------------|---------|-----|

## NOVA – Online Training and Development

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

## Nutrien

|                                                                                          |  |     |
|------------------------------------------------------------------------------------------|--|-----|
| • Basic Fire Extinguisher                                                                |  | 0.3 |
| • Centrifugal Pumps Parts 1 and 2                                                        |  | 0.3 |
| • Water Treatment; Water for Plant Systems Part 1 and 2                                  |  | 0.4 |
| • Pumps: Fundamentals of Centrifugal Types                                               |  | 0.2 |
| • Centrifugal Pumps                                                                      |  | 0.1 |
| • T1-NTR-ESTS for Non-Electrical Worker                                                  |  | 0.1 |
| • T1-NTR-Confined Space Awareness / Confined Space Entry / Fundamentals of Gas Detection |  | 0.3 |
| • Asbestos Awareness                                                                     |  | 0.1 |
| • WHMIS 2015 Hazcom 2012                                                                 |  | 0.1 |
| • Transportation of Dangerous Goods                                                      |  | 0.1 |

## Occupational Health and Safety

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

## Pacific Flow Control

|                                                                                         |  |     |
|-----------------------------------------------------------------------------------------|--|-----|
| • Hot Taps Line Stops Freezing Valve Inserts – A Comprehensive Look at the Technologies |  | 0.3 |
|-----------------------------------------------------------------------------------------|--|-----|

## Pacific Medical Training

|                                                |  |     |
|------------------------------------------------|--|-----|
| • Basic Life Support + First Aid – BLS (CPR-C) |  | 0.8 |
|------------------------------------------------|--|-----|

## Parkland College <http://www.parklandcollege.sk.ca/>

|                                                                |        |      |
|----------------------------------------------------------------|--------|------|
| • Fall Protection                                              |        | 0.7  |
| • First Aid / CPR 'A'                                          |        | 1.6  |
| • WHMIS                                                        |        | 0.4  |
| • Confined Space                                               |        | 1.0  |
| • Ground Disturbance                                           |        | 0.7  |
| • H2S Alive                                                    |        | 0.7  |
| • Supervision & Safety                                         |        | 0.6  |
| • Transportation of Dangerous Goods                            |        | 0.4  |
| • Occupational Health Committee Level 1                        |        | 0.6  |
| • PowerPoint                                                   |        | 1.2  |
| • Microsoft Excel Level 2                                      |        | 1.8  |
| • Computer Basics                                              |        | 1.8  |
| • Microsoft Excel Level 1                                      |        | 1.8  |
| • Microsoft Word Level 1                                       |        | 1.8  |
| • Microsoft Word 2010 Level 2                                  |        | 1.8  |
| • Microsoft Word 2010 Core Skills                              |        | 2.5  |
| • Microsoft Excel Core Skills                                  |        | 2.5  |
| • Fundamentals of Project Management (Project Mgmt Cert)       |        | 1.3  |
| • Project Planning & Scheduling (Project Mgmt Cert)            |        | 1.3  |
| • Cost & Procurement Management (Project Mgmt Cert)            |        | 1.3  |
| • Project Management Practicum (Project Mgmt Cert)             |        | 1.3  |
| • Project Quality Management (Project Mgmt Cert)               |        | 1.3  |
| • Project Risk Management (Project Mgmt Cert)                  |        | 1.3  |
| • Human Resource & Communication Mgmt (Project Mgmt Cert)      |        | 1.3  |
| • Class 1 Water Treatment                                      |        | 1.4  |
| • Class 1 Water Distribution                                   |        | 1.4  |
| • Math Refresher for Water Operators                           |        | 0.7  |
| • Leadership Skills for Front Line Managers                    |        |      |
| • Module 1: Supervision                                        |        | 1.2  |
| • Module 2: How to Work with People                            |        | 1.2  |
| • Module 3: How to Get the Work Out                            |        | 1.2  |
| • Module 4: Employee Selection & Training                      |        | 1.2  |
| • Mental Health First Aid – BASIC                              |        | 1.0  |
| • Virtual Mental Health First Aid                              | online | 0.8  |
| • Indigenous Awareness Training – Level 1                      |        | 0.65 |
| • Fireman Boiler Operator Prep Course                          |        | 2.0  |
| • Blended Class 1 Water Treatment & Water Distribution         |        | 6.0  |
| • Blended Class 1 Wastewater Collection & Wastewater Treatment |        | 6.0  |
| • Red Cross Blended First Aid and CPR                          |        | 0.65 |

## PEMAC Asset Management Association of Canada

|                                                                            |  |     |
|----------------------------------------------------------------------------|--|-----|
| • Maintenance Management Professional (MMP)                                |  |     |
| • Module 1: An Integrated Strategy for Maintenance Mgmt                    |  | 1.5 |
| • Module 2: Production & Operations Management for the Maintenance Manager |  | 3.0 |
| • Module 3: Human Resources for the Maintenance Manager                    |  | 3.0 |
| • Module 4: Financial Mgmt for the Maintenance Manager                     |  | 3.0 |
| • Module 5: Developing & Implementing Maintenance Tactics                  |  | 3.0 |
| • Module 6: Maintenance Work Management                                    |  | 3.0 |
| • Module 7: Computerized Maintenance Management                            |  | 3.0 |

|                             |  |     |
|-----------------------------|--|-----|
| Systems (CMMS)              |  | 3.0 |
| • Module 8: Capstone Course |  | 3.0 |

### Pine Tree Management Skills [www.managementskills.ca](http://www.managementskills.ca)

|                                             |  |     |
|---------------------------------------------|--|-----|
| • Leadership Skills for Front Line Managers |  | 1.2 |
| • Module 1: Supervision                     |  | 1.2 |
| • Module 2: How to Work with People         |  | 1.2 |
| • Module 3: How to Get the Work Out         |  | 1.2 |
| • Module 4: Employee Selection & Training   |  | 1.2 |

### Portage College <http://www.portagecollege.ca/>

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

### Potash Corporation of Saskatchewan <http://www.potashcorp.com/>

|                                               |         |     |
|-----------------------------------------------|---------|-----|
| • Emergency First Aid – Lanigan               | various | 1.0 |
| • Confined Space Training – Lanigan Mine Site |         | 1.0 |
| • Hydrogen Sulphide – Lanigan Mine Site       | various | 1.0 |

### Proactive

|                                             |         |     |
|---------------------------------------------|---------|-----|
| • 40 hour Overhead Crane Competent Operator | various | 3.5 |
| • 8 hour Overhead Crane Competent Operator  | various | 0.7 |
| • Aerial Work Platform Competent Operator   | various | 1.4 |
| • Forklift Competent Operator               | various | 1.4 |
| • Fall Protection                           | various | 0.7 |
| • Confined Space                            | various | 0.7 |
| • Skid Steer Competent Operator             | various | 1.4 |

### Progressive Sealing

|                                                |  |     |
|------------------------------------------------|--|-----|
| • Introduction to Mechanical Seals and Packing |  | 0.6 |
|------------------------------------------------|--|-----|

## Pulse Safety Services Ltd.

|               |  |     |
|---------------|--|-----|
| • WHMIS & H2S |  | 1.0 |
|---------------|--|-----|

## React & Respond First Aid

|                                                                |  |     |
|----------------------------------------------------------------|--|-----|
| • Red Cross Standard First Aid/CPR/AED Blended/Recertification |  | 0.6 |
|----------------------------------------------------------------|--|-----|

## RCM Training and Consulting Ltd.

|                            |  |     |
|----------------------------|--|-----|
| • Fall Protection          |  | 0.7 |
| • Powered Mobile Equipment |  | 1.4 |

## RM Frenchman Butte

|                                                 |  |     |
|-------------------------------------------------|--|-----|
| • Standard First Aid CPR AED Recertified Course |  | 0.8 |
|-------------------------------------------------|--|-----|

## Regina Safety Consulting & Training

|                                                |  |     |
|------------------------------------------------|--|-----|
| • Asbestos Awareness                           |  | 0.4 |
| • Chlorine Safety                              |  | 0.7 |
| • Confined Space                               |  | 0.7 |
| • Fall Protection                              |  | 0.7 |
| • Hoisting & Rigging                           |  | 0.7 |
| • Load Securement                              |  | 0.4 |
| • Overhead Travelling Crane                    |  | 0.7 |
| • Positive Pressure Breathing Apparatus (SCBA) |  | 0.4 |
| • TDG                                          |  | 0.4 |

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

|                                                                                                             |  |     |
|-------------------------------------------------------------------------------------------------------------|--|-----|
| • First Nation Public Water System Reporting                                                                |  | 0.3 |
| • Stream 1 (Technical Stream) of the Indigenous Water Forum – Drinking Water Treatment Process and Policies |  | 0.5 |

## Safety Association of Saskatchewan Manufacturers (SASM) <http://sasm.ca>

|                                            |         |     |
|--------------------------------------------|---------|-----|
| • Confined Space                           |         | 0.4 |
| • Fall Protection                          |         | 0.5 |
| • Job Hazard Analysis                      |         | 0.5 |
| • Lockout / Tagout Program (on-line)       |         | 0.4 |
| • Safety Essentials for Supervisors, BPWTP | various | 1.2 |
| • WHMIS 2015                               |         | 0.4 |

## Safety Courses Canada

|                                     |  |     |
|-------------------------------------|--|-----|
| • GHS & WHMIS 2015                  |  | 0.2 |
| • Confined Space Awareness Training |  | 0.2 |

## Safety First

|                   |  |     |
|-------------------|--|-----|
| • Chainsaw Safety |  | 0.2 |
|-------------------|--|-----|

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

### **Saskatchewan Adult Basic Education Association (SABEA)**

|                                                                              |  |     |
|------------------------------------------------------------------------------|--|-----|
| • Using Technology Science 30 Curriculum & Activities                        |  | 0.5 |
| • Govt's Water Regulations Standards & Licensing Bylaws & Planning RE: Water |  | 1.0 |
| • Math Gr 12 & Science Gr 12                                                 |  | 0.5 |

### **Saskatchewan Construction Safety Association (SCSA)** <http://www.scsaonline.ca/>

|                                                       |         |     |
|-------------------------------------------------------|---------|-----|
| • WHMIS                                               | various | 0.3 |
| • Safety Construction Orientation Training (+ – SCSA) | online  | 0.4 |
| • Confined Space Monitoring & Entry Training          |         | 0.6 |
| • Safety Auditor Training                             |         | 1.3 |
| • Fall Protection & Prevention Training               |         | 0.6 |
| • Safety Management                                   |         | 0.6 |
| • Leadership for Safety Excellence                    |         | 1.3 |
| • Basic Training Techniques                           |         | 1.0 |

### **Saskatchewan First Nations Water Association Inc.**

|                                                                                                                    |         |     |
|--------------------------------------------------------------------------------------------------------------------|---------|-----|
| • Source Water Protection Workshop                                                                                 |         | 0.5 |
| • Biofiltration: Operation and Maintenance                                                                         |         | 0.7 |
| • Math: - Converting Temperatures and Chlorine Demand                                                              |         | 0.1 |
| - Decimals, Percentages, Chemical Requirements & Concentration                                                     |         | 0.1 |
| - Weight of Water, Averages, and Acceleration Due to Gravity                                                       |         | 0.1 |
| - Areas of Circles, Circumferences of Circles and Volumes of Cylinders                                             |         | 0.1 |
| - Areas of Rectangles and Volumes of Rectangular Prisms                                                            |         | 0.1 |
| • Introduction to Source Water Protection Planning in First Nations                                                | online  | 0.1 |
| • Introduction to Source Water Protection Planning in First Nations                                                | webinar | 0.1 |
| • Source Water Protection in First Nations: Introduction to SWP Planning and Decommissioning Abandoned Water Wells | online  | 0.3 |
| • Source Water Protection in First Nations: Decommissioning Abandoned Water Wells                                  | online  | 0.2 |
| • Manganese in Drinking Water: Exposure, Guidelines and Treatment Processes                                        | online  | 0.3 |
| • Drinking Water Regulations and Water Quality Standards for SK First Nations                                      | online  | 0.3 |
| • Manganese: Water Quality Standards, Testing and Removal                                                          | online  | 0.3 |
| • Well Decommissioning                                                                                             | online  | 0.3 |

|                                                                                        |                 |     |
|----------------------------------------------------------------------------------------|-----------------|-----|
| • Drinkable Water Quality Standards and Guidelines for Canadian Drinking Water Quality |                 | 0.4 |
| • Decommissioning Abandoned Water Wells                                                |                 | 0.3 |
| • Source Water Planning in First Nations                                               | Mar 21/28, 2023 | 0.3 |
| • Sask First Nations Water Quality Monitors Workshop                                   |                 | 1.4 |
| • 2023 Conference & Trade Show                                                         | Sept 19-21/2023 | 1.9 |
| • SK First Nations Drinkable Water Regulations & Guidelines                            |                 | 0.2 |
| • Biofiltration                                                                        |                 | 0.5 |
| • Safety Training for Water Systems Professionals in First Nations Communities         |                 | 1.0 |
| • Lifecycle Cost (LLC) of Water System Alternatives: Implications for Management       |                 | 0.2 |

### Saskatchewan First Nations Safety Association (SFNSA)

|                  |  |     |
|------------------|--|-----|
| • Confined Space |  | 0.7 |
| • TDG            |  | 0.4 |
| • WHMIS          |  | 0.4 |

### Saskatchewan Geological Survey

|                                                                                                                                                           |  |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|
| • Uranium Geology 101:An introduction to the Fundamentals of Uranium Geology with a focus on unconformity-related Uranium Deposits of the Athabasca Basin |  | 0.8 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|

### Saskatchewan Groundwater Association

|                                |  |     |
|--------------------------------|--|-----|
| • Operational Stages of a Well |  | 0.3 |
|--------------------------------|--|-----|

### Saskatchewan Polytechnic (formerly SIAST) <http://www.saskpolytech.ca/>

|                                                                       |          |     |
|-----------------------------------------------------------------------|----------|-----|
| <b>SIAST Water / Wastewater Technician Program, effective Sept/06</b> |          |     |
| • Water Treatment 1                                                   | WTER 130 | 8.0 |
| • Water Treatment 2                                                   | WTER 131 | 8.0 |
| • Water Distribution 1                                                | WTER 132 | 4.5 |
| • Water Distribution 2                                                | WTER 133 | 4.5 |
| • Wastewater Collection 1                                             | WTER 134 | 6.0 |
| • Wastewater Collection 2                                             | WTER 135 | 6.0 |
| • Wastewater Treatment 1                                              | WTER 136 | 8.0 |
| • Wastewater Treatment 2                                              | WTER 137 | 8.0 |
| • Water/Wastewater Laboratory 1                                       | LABS 121 | 4.5 |
| • Water/Wastewater Laboratory 2                                       | LABS 122 | 4.5 |
| • Business Communications 1                                           | BCOM 120 | 4.8 |
| • Business Communications 2                                           | BCOM 121 | 6.4 |
| • Graphical Communications 1                                          | GRPH 123 | 3.0 |
| • Graphical Communications 2                                          | GRPH 124 | 4.5 |
| • Technical Mathematics                                               | MAT 124  | 4.5 |
| • Basic Computer Operation                                            | COMP 170 | 1.5 |
| • Intro. To Microsoft Word                                            | COMP 171 | 1.5 |
| • Introduction to MS Excel 1                                          | COMP 174 | 1.5 |
| • Introduction to MS Excel 2                                          | COMP 175 | 1.5 |
| • Introduction to Microsoft Access 1                                  | COMP 176 | 1.5 |
| <b>SIAST Water &amp; Wastewater Operator Training</b>                 |          |     |
| • Small Systems Water (3 days)                                        |          | 1.8 |
| • Class 1 Water Treatment / Distribution Upgrade (3 days)             |          | 1.3 |
| • Class 1 Water Treatment / Distribution (5 days)                     |          | 2.7 |
| • Class 2 Water Treatment / Distribution (3 days)                     |          | 1.3 |

|                                                                 |           |      |
|-----------------------------------------------------------------|-----------|------|
| • Class 3/4 Water Treatment / Distribution (4 days)             |           | 1.8  |
| • Small Systems Wastewater (3 days)                             |           | 1.8  |
| • Class 1 Wastewater Treatment / Collection Upgrade (3 days)    |           | 1.3  |
| • Class 1 Wastewater Treatment / Collection (5 days)            |           | 2.7  |
| • Class 2 Wastewater Treatment / Collection (4 days)            |           | 1.8  |
| • Centrifugal Pumps                                             |           | 0.6  |
| • Chemical Feed Pumps                                           |           | 0.6  |
| • Cross Connection Control Awareness                            |           | 0.6  |
| • Distribution System Maintenance                               |           | 0.6  |
| • Gas Chlorine Systems                                          |           | 1.5  |
| • Hydraulics for Operators                                      |           | 0.6  |
| • Hypochlorination                                              |           | 0.6  |
| • Lagoon Operation & Maintenance                                |           | 0.6  |
| • Power Engineering / Limited Fireman (ENGP 1800)               |           | 4.1  |
| • Surface Water Treatment                                       |           | 1.2  |
| • Water Analysis                                                |           | 0.6  |
| • Small Seasonal Drinking Water Systems (Correspondence Course) |           | 1.0  |
| • Parks Management Pesticide Applicator (Pest 179)              |           | 1.5  |
| • Ground Disturbance – various & online                         | SFTY 1818 | 0.6  |
| • WHMIS 2015 – online                                           | SFTY 1821 | 0.4  |
| • Respiratory / Fit Testing Awareness – various & online        | SFTY 1809 | 0.4  |
| • Incident Investigations – various & online                    | SFTY1810  | 0.6  |
| • Compressed Gas / Cylinder Awareness – various & online        | SFTY 1811 | 0.4  |
| • Confined Space Awareness – various & online                   | SFTY 1814 | 0.6  |
| • Fall Protection – various                                     | SFTY 1813 | 0.6  |
| • Applied Certificate in Applied Project Management             |           | 16.8 |
| • Computer Aided Drafting 1                                     | CADD 120  | 4.5  |
| • Wastewater Collection and Treatment                           | WTER 1804 | 6.0  |
| • Bio Chem & Math Intro                                         | WTER 1802 | 3.0  |
| • Water Treatment and Distribution                              | WTER 1803 | 6.0  |
| • Water Distribution 1                                          | WTER 1600 | 2.0  |
| • Water Distribution 2                                          |           | 2.0  |

## Saskatchewan Public Works Association

|                                                                     |        |     |
|---------------------------------------------------------------------|--------|-----|
| • Wastewater Collection Systems – The Good, The Bad & The Very Ugly | online | 0.3 |
| • Math for Public Works Workshop                                    |        | 0.3 |
| • Public Works Supervisor Program – Level 1 Emerging Leader         |        | 0.6 |

## Saskatchewan Safety Council

|                                                         |         |     |
|---------------------------------------------------------|---------|-----|
| • Powered Mobile Equipment Operator                     | various | 1.3 |
| • Saskatchewan Safety Council Industrial Safety Seminar | various | 1.1 |
| • Ground Disturbance Level 2                            |         | 0.8 |
| • 45 <sup>th</sup> Annual Industrial Safety Seminar     |         | 1.0 |
| • Skid Smart Collision Avoidance                        |         | 0.7 |
| • Work Zone Traffic Accommodation                       | online  | 0.2 |

## Saskatchewan Water & Wastewater Association (SWWA)

<https://www.swwa.ca/training>

|                                                    |                |     |
|----------------------------------------------------|----------------|-----|
| • Webinar #1 Supervision Principles                | Nov 24&25 2020 | 0.3 |
| • Webinar #2 Management & Development Workforce    | Dec 1 & 2 2020 | 0.3 |
| • Webinar #3 Employee Relations                    | Dec 8 & 9 2020 | 0.3 |
| • Webinar #4 Change Management & Change Leadership | Dec 15&16 2020 | 0.3 |

|                                                               |              |     |
|---------------------------------------------------------------|--------------|-----|
| • Hydrant Valve and Service Brass Training Mueller            | Oct 21, 2020 | 0.3 |
| • Mueller Water System Products                               | Oct 21, 2020 | 0.3 |
| • Pumps & Hydraulics                                          | online       | 0.3 |
| • Filtrate – Expanded Clay Media                              | webinar      | 0.3 |
| • WSA Workshop                                                | webinar      | 0.4 |
| • Lagoon Workshop                                             | online       | 0.4 |
| • Energy Management                                           |              | 0.3 |
| • SWWA Annual Conference, November 3-5, 2021                  |              | 1.0 |
| • Treatment Technologies for Surface Water versus Groundwater |              | 0.4 |
| • SWWA Annual Conference, November 2-4, 2022                  |              | 1.0 |

### **Shamrock Oilfield Safety Training**

|                        |  |     |
|------------------------|--|-----|
| • Confined Space Entry |  | 0.6 |
|------------------------|--|-----|

### **Sharalife First Aid Inc (Canadian Red Cross)**

|                                                   |  |     |
|---------------------------------------------------|--|-----|
| • Emergency Medical Responder Instructor Co-Teach |  | 4.0 |
|---------------------------------------------------|--|-----|

### **Shermco Industries Canada Inc.**

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

### **Sixteen Safety Services Inc.**

|                                                                                    |  |      |
|------------------------------------------------------------------------------------|--|------|
| • Confined Space Entry/Attendant                                                   |  | 0.7  |
| • Fall Protection Comprehensive End User-Federal Jurisdiction & Canadian Provinces |  | 0.65 |
| • WHMIS 2015                                                                       |  | 0.7  |
| • TDG                                                                              |  | 0.4  |

### **Southeast College** <http://www.southeastcollege.org>

|                                                                             |  |     |
|-----------------------------------------------------------------------------|--|-----|
| • PME – Forklift                                                            |  | 0.7 |
| • Confined Space                                                            |  | 0.6 |
| • Fall Arrest                                                               |  | 0.4 |
| • Municipal Management Essentials – Supervisory Skills                      |  | 1.3 |
| • Municipal Management Essentials – Problem Solving & Decision Making       |  | 1.3 |
| • Municipal Management Essentials – Negotiation Skills                      |  | 1.3 |
| • Municipal Management Essentials – Customer Relations                      |  | 1.3 |
| • Municipal Management Essentials – Time Management & Organizational Skills |  | 0.7 |
| • Municipal Management Essentials – Being a Safety Leader                   |  | 1.3 |
| • Rigger / Signal Person                                                    |  | 0.7 |
| • Ground Disturbance for Supervisors and Workers                            |  | 0.7 |
| • Confined Space                                                            |  | 0.6 |
| • Leadership and Influence                                                  |  | 0.5 |
| • Meeting Management                                                        |  | 0.5 |
| • Supervising Others                                                        |  | 0.5 |

### **Spartan Controls**

|                                   |  |     |
|-----------------------------------|--|-----|
| • Pressure Control Valve Training |  | 0.3 |
|-----------------------------------|--|-----|

## Spring Ridge Training Institute Inc.

|                                              |  |     |
|----------------------------------------------|--|-----|
| • Water and the Environment: The Watershed   |  | 1.2 |
| • Water and Human Health                     |  | 1.2 |
| • Lakes, Reservoirs and Rivers               |  | 1.2 |
| • Concepts in Water Governance               |  | 1.2 |
| • Environmental Determinants of Health       |  | 1.2 |
| • Mastering the Art of Science Communication |  | 1.2 |

## Team Power Solutions

|                                                                  |  |     |
|------------------------------------------------------------------|--|-----|
| • Electrical Awareness Safety for Non-Electrical Workers in Sask |  | 0.5 |
|------------------------------------------------------------------|--|-----|

## The PM Connection [www.thepmconnection.com](http://www.thepmconnection.com)

|                                               |  |     |
|-----------------------------------------------|--|-----|
| • Project Management Training Exam Prep Class |  | 2.3 |
|-----------------------------------------------|--|-----|

## ThinkReliability

|                                                       |  |     |
|-------------------------------------------------------|--|-----|
| • Cause Mapping Root Cause Analysis (Online Workshop) |  | 0.9 |
|-------------------------------------------------------|--|-----|

## Thompson Rivers University

|                                                                 |  |     |
|-----------------------------------------------------------------|--|-----|
| • XWTP 0010 Water Supply Hydrology                              |  | 3.0 |
| • XWTP 0020 Ground and Surface Sources                          |  | 3.0 |
| • XWTP 0030 Water Supply Protection                             |  | 3.0 |
| • XWTP 0050 Small Water System Operations                       |  | 3.0 |
| • XWTP 0060 Basic Principles of Sedimentation and Filtration    |  | 3.0 |
| • XWTP 0070 Basic Principles of Disinfection and Water Storage  |  | 3.0 |
| • XWTP 0090 Applied Operation Math                              |  | 3.0 |
| • XWTP 0100 Basic Hydraulics                                    |  | 3.0 |
| • XWTP 0110 Basic Water Chemistry                               |  | 3.0 |
| • XWTP 0130 Pipes, Valves and Fittings                          |  | 3.0 |
| • XWTP 0140 Basic Principles of Pumps                           |  | 3.0 |
| • XWTP 0150 Cross Connection Control                            |  | 3.0 |
| • XWTP 0170 Environmental Legislation                           |  | 3.0 |
| • XWTP 0180 Occupational Health and Safety                      |  | 3.0 |
| • XWTP 0190 Communications                                      |  | 3.0 |
| • XWTP 0200 Watersafe BC                                        |  | 0.6 |
| • XWTP 0210 Electrical Principles                               |  | 3.0 |
| • XWTP 0220 Testing Electrical Circuits and Safe Work Practices |  | 3.0 |
| • XWTP 0230 Basics of Electrical Motors and Motor Control       |  | 3.0 |
| • XWTP 0250 Instrumentation Principles                          |  | 3.0 |
| • XWTP 0260 Process Measurement                                 |  | 3.0 |
| • XWTP 0270 Final Control Elements                              |  | 3.0 |
| • XWTP 0290 Treatment Process Pathway                           |  | 3.0 |
| • XWTP 0300 Secondary Process Equipment                         |  | 3.0 |
| • XWTP 0310 Municipal Water & Wastewater Pumping                |  | 3.0 |
| • XWTP 0330 Coagulation                                         |  | 3.0 |
| • XWTP 0340 pH Control and Water Softening                      |  | 3.0 |
| • XWTP 0350 Oxidation Reactions                                 |  | 3.0 |
| • XWTP 0450 Advanced Motor Control and Basic Digital Techniques |  | 3.0 |
| • XWTP 0460 Basic Electronic Devices and Speed Drives           |  | 3.0 |
| • XWTP 0470 Basic of Programmable Logic Controllers             |  | 3.0 |
| • XWTP 0490 Introduction to Water Chemistry                     |  | 3.0 |

|                                                                          |  |     |
|--------------------------------------------------------------------------|--|-----|
| • XWTP 0500 Inorganic Species in Water                                   |  | 3.0 |
| • XWTP 0510 Organic Species in Water                                     |  | 3.0 |
| • XWTP 0530 Advanced Coagulation and Emerging Technologies               |  | 3.0 |
| • M XWTP 0540 Dissolved Air Floatation and Jar Testing Procedures        |  | 3.0 |
| • XWTP 0550 Clarifiers                                                   |  | 3.0 |
| • XWTP 0570 The History, Mechanisms, and Classifications of Filters      |  | 3.0 |
| • XWTP 0580 Slow and Rapid Sand Filtration                               |  | 3.0 |
| • XWTP 0590 Membrane and Alternative Filtration Techniques               |  | 3.0 |
| • XWTP 0610 Basic Principles of Disinfection                             |  | 3.0 |
| • XWTP 0620 Standard Disinfection Practices                              |  | 3.0 |
| • XWTP 0630 Advanced Disinfection and Fluoridation Practices             |  | 3.0 |
| • XWTP 0690 Introduction to Microbiology and Toxicology                  |  | 3.0 |
| • XWTP 0700 Microbiology                                                 |  | 3.0 |
| • XWTP 0710 Toxicology                                                   |  | 3.0 |
| • XWTP 0780 Advanced Programmable Logic Controllers                      |  | 3.0 |
| • XWTP 0790 Industrial Communications and SCADA Systems                  |  | 3.0 |
| • XWTP 0810 People Management                                            |  | 3.0 |
| • XWTP 0820 Asset and Operations Management                              |  | 3.0 |
| • XWTP 0830 Financial Management                                         |  | 3.0 |
| • XWTP 0900 Small Wastewater Operation Systems                           |  | 3.0 |
| • XWTP 0910 Wastewater Characteristics & Sources                         |  | 3.0 |
| • XWTP 0912 Industrial Wastewater Characteristics & Regulations          |  | 3.0 |
| • XWTP 0920 Wastewater Collections & Pumping Systems                     |  | 3.0 |
| • XWTP 0922 Groundwater Pumps                                            |  | 3.0 |
| • XWTP 0924 Water Distribution Systems                                   |  | 3.0 |
| • XWTP 0930 Levels of Treatment in Wastewater                            |  | 3.0 |
| • XWTP 0940 Methods of Wastewater Treatment                              |  | 3.0 |
| • XWTP 0942 Energy Efficiency in Water & Wastewater Treatment Facilities |  | 3.0 |
| • XWTP 0950 Laboratory Principles of Wastewater                          |  | 3.0 |
| • XWTP 0960 Secondary Wastewater Treatment                               |  | 3.0 |
| • XWTP 0970 Advanced Wastewater Treatment                                |  | 3.0 |
| • XWTP 0980 Wastewater Residuals                                         |  | 3.0 |
| • XWTP 0990 Industrial Wastewater Treatment                              |  | 3.0 |
| • XWTP 0010 Water Supply Hydrology                                       |  | 3.0 |
| • WTP 1700 Water Sources                                                 |  | 3.0 |
| • WTP 1710 Water Treatment I                                             |  | 3.0 |
| • WTP 1720 Applied Math and Science                                      |  | 3.0 |
| • WTP 1730 Mechanical Systems 1                                          |  | 3.0 |
| • WTP 1740 Environmental, Safety and Communications                      |  | 3.0 |
| • WTP 1760 Introduction to Wastewater                                    |  | 3.0 |
| • WTP 1800 Electrical Fundamentals                                       |  | 3.0 |
| • WTP 1820 Instrumentation I                                             |  | 3.0 |
| • WTP 1830 Mechanical Systems II                                         |  | 3.0 |
| • WTP 1850 Water Treatment II                                            |  | 3.0 |
| • WTP 1860 Wastewater Utility                                            |  | 3.0 |
| • WTP 1870 Wastewater Utility II (WTP 2760)                              |  | 3.0 |

## Touchwood Agency Tribal Council and Indigenous and Northern Affairs Canada

|                                                                                                |  |     |
|------------------------------------------------------------------------------------------------|--|-----|
| • The Chemistry, Biology and Physics of Water Treatment: Navigating Poor Quality Source Waters |  | 1.3 |
|------------------------------------------------------------------------------------------------|--|-----|

**Trans Industrial Safety Training** <http://www.transindustrial.ca/>

|                           |  |     |
|---------------------------|--|-----|
| • Confined Space Training |  | 0.8 |
|---------------------------|--|-----|

**Trans-Care Rescue Ltd.**

|                                          |  |     |
|------------------------------------------|--|-----|
| • Confined Space Entry – Awareness Level |  | 0.6 |
|------------------------------------------|--|-----|

**Trihedral Engineering Ltd.** <http://www.trihedral.com/>

|                                                     |  |     |
|-----------------------------------------------------|--|-----|
| • Making Best Operational Use of SCADA HMI Software |  | 0.4 |
|-----------------------------------------------------|--|-----|

**Trinity Safety & Training** <http://www.trinitysafety.ca/>

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

**University of Alberta**

|                                |  |     |
|--------------------------------|--|-----|
| • Municipal Project Management |  | 3.2 |
|--------------------------------|--|-----|

**University of Regina**

|                                                       |        |      |
|-------------------------------------------------------|--------|------|
| • Stakeholder, Resource and Communications Management | online | 1.15 |
|-------------------------------------------------------|--------|------|

**Urban Municipal Administrators Association of Saskatchewan (UMAAS)**<http://www.umaas.ca/>

|                                             |  |     |
|---------------------------------------------|--|-----|
| • Responsibilities of Municipal Authorities |  | 0.3 |
|---------------------------------------------|--|-----|

**Vamp Oilfield Services Inc.**

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

**Vector Solutions / Red Vector** [www.vectorsolutions.com](http://www.vectorsolutions.com)

|                                                         |  |     |
|---------------------------------------------------------|--|-----|
| • Water Treatment; Water for Plant Systems Part 1 and 2 |  | 0.4 |
| • Pumps: Fundamentals of Centrifugal Types              |  | 0.2 |
| • Centrifugal Pumps                                     |  | 0.1 |

**Victory Safety and Training** <http://victorysafety.ca/>

|                                           |         |     |
|-------------------------------------------|---------|-----|
| • WHMIS                                   | various | 0.3 |
| • Confined Space Entry                    | various | 0.6 |
| • Ground Disturbance                      | various | 0.6 |
| • Transportation of Dangerous Goods (TDG) | various | 0.3 |

|                                     |         |     |
|-------------------------------------|---------|-----|
| • Fall Protection                   | various | 0.6 |
| • Red Cross Blended First Aid & CPR |         | 1.5 |

## The WaterReuse Association [www.readytalk.com](http://www.readytalk.com) [www.wateruse.org](http://www.wateruse.org)

|                                                                                                                                       |  |      |
|---------------------------------------------------------------------------------------------------------------------------------------|--|------|
| Operating a DPR Plant – Integrating the Critical Control                                                                              |  | 0.1  |
| • How Prevalent is Legionella in Recycled Water?                                                                                      |  | 0.1  |
| • How Do You Maintain Chlorine Residuals in Recycled Water?                                                                           |  | 0.1  |
| • California and Beyond-Next Steps in Advancing Potable Reuse                                                                         |  | 0.1  |
| • Multipurpose Water Reuse in the Power Sector                                                                                        |  | 0.1  |
| • State of Agricultural Water Reuse: Impediments and Incentives                                                                       |  | 0.1  |
| • Reuse Water in Agriculture, Policy and Implementation                                                                               |  | 0.1  |
| • Potable Reuse for Inland Locations: Pilot Testing Results for a New Potable Reuse Treatment Scheme                                  |  | 0.1  |
| • Recent Findings on Developing Public Health Guidance for Decentralized Non-Potable Water Systems                                    |  | 0.1  |
| • Treatment Wetlands – Facilitating the Beneficial Use of Reuse                                                                       |  | 0.1  |
| • Strategies to Mitigate Post Treatment Challenges in Potable Reuse Systems                                                           |  | 0.1  |
| • Enhanced Source Control for Direct Potable Reuse                                                                                    |  | 0.1  |
| • Membranes 101: The Basics and Beyond                                                                                                |  | 0.1  |
| • Integrating Mgmt of Sensor Data for Real Time Decision Making and Response System                                                   |  | 0.1  |
| • Innovative Strategies for Municipal Water Reuse                                                                                     |  | 0.1  |
| • Bioanalytical Screening Tools-An emerging technology to access complex mixtures in aquatic environments                             |  | 0.1  |
| • Selecting the Best Technology for Water Reuse-Overview of the MBR Process                                                           |  | 0.1  |
| • Where Are The Best Opportunities in Industrial Reuse?                                                                               |  | 0.1  |
| • Community Engagement for Potable Reuse Success                                                                                      |  | 0.1  |
| • Using Onsite Water Recycling Systems to Transform                                                                                   |  | 0.1  |
| • Water Recycling and Wet Weather Management                                                                                          |  | 0.1  |
| • Triple Bottom Line Water Supply Planning at Your Fingertips: A Framework and Tool for Comprehensive Comparisons                     |  | 0.1  |
| • Building Community Confidence in Potable Reuse Through Stronger Risk Analysis                                                       |  | 0.1  |
| • Validation Protocols for Membrane Bioreactors and Ozone/Biologically Activated Carbon for Potable Use                               |  | 0.1  |
| • What We Know: Communicating About Recycled Water in the Age of Covid 19                                                             |  | 0.15 |
| • Digital Water Applications for System Reliability in Water Systems                                                                  |  | 0.1  |
| • Water Reuse: An Operational Discussion                                                                                              |  | 0.1  |
| • Protection of Source Waters When Practicing Indirect Potable Reuse                                                                  |  | 0.1  |
| • First Full Scale DPR Permit in Arizona for Demonstration and Education                                                              |  | 0.1  |
| • Leveraging Digital Water Solutions for Industrial Monitoring and Pretreatment Programs – Improving Enhanced Source Control Programs |  | 0.1  |
| • Past, Present & Future Reuse as Part of Arizona’s Water Portfolio                                                                   |  | 0.2  |
| • COVID-19 Research – Preliminary Findings from Wastewater Surveillance and Implications for Water Reuse                              |  | 0.1  |
| • From Urban to Rural: Water Reuse Case Studies in the Pacific Northwest                                                              |  | 0.15 |
| • How Water Reuse creates New Ways to Manage Wastewater Discharge                                                                     |  | 0.1  |

|                                                                                               |  |     |
|-----------------------------------------------------------------------------------------------|--|-----|
| • Enhancing Control of Norovirus in Water with Improved Detection Methods                     |  | 0.1 |
| • Water Reuse in Palenstine, Current Situation, Challenges and Future Perspectives            |  | 0.1 |
| • Potable Reuse Permitting to Startup: The Pure Water Monterey Journey                        |  | 0.1 |
| • PFAS in Biosolids Under a Land Application Scenario: Biotic Weather, Leaching and Transport |  | 0.1 |
| • Geochemical Considerations for Managed Aquifer Recharge Implementation in Potable Reuse     |  | 0.1 |

## Water Security Agency (WSA) <https://www.wsask.ca>

|                                                   |        |     |
|---------------------------------------------------|--------|-----|
| • Transport and Disposal of Liquid Domestic Waste | online | 0.1 |
|---------------------------------------------------|--------|-----|

## Welwyn 1<sup>st</sup> Responders

|                |  |     |
|----------------|--|-----|
| • BLS Provider |  | 0.4 |
|----------------|--|-----|

## WesTech Engineering <http://www.westech-inc.com/>

|                                   |  |     |
|-----------------------------------|--|-----|
| • Ultrafiltration System Training |  | 1.0 |
|-----------------------------------|--|-----|

## Western Canada Water (WCW) <http://www.wcwwa.ca/>

|                                                          |        |     |
|----------------------------------------------------------|--------|-----|
| <b>WCW General Seminars</b>                              |        |     |
| • Communication & Conflict                               |        | 0.7 |
| • Optimizing Municipal Lagoons                           |        | 0.5 |
| • Source Water Protection (Webinar Series)               |        | 0.3 |
| • Your Lead Sampling Program (Webinar Series)            |        | 0.3 |
| • Change Management & Change Leadership (Webinar Series) |        | 0.3 |
| • Dealing with Customer Complaints (Webinar Series)      |        | 0.3 |
| • Art of Collaboration                                   | online | 0.3 |
| • Emergency Preparedness & Response                      |        | 0.3 |
| • Activated Sludge BNR Process Control Workshop          |        | 0.6 |

## Western States Project

|                                             |        |     |
|---------------------------------------------|--------|-----|
| • Introduction to Environmental Enforcement | online | 2.1 |
|---------------------------------------------|--------|-----|

## Western Trade Training Institute (WTTI) <http://www.wttionline.ca/>

|                                                |         |     |
|------------------------------------------------|---------|-----|
| • Hoisting and Rigging                         | various | 0.7 |
| • Mobile Crane Competent Operator              |         | 3.0 |
| • Boom Truck Competent Operator                |         | 2.2 |
| • Rigging Fundamentals                         |         | 0.7 |
| • Overhead Travelling Crane Competent Operator |         | 1.5 |
| • Enhanced Rigging                             |         | 0.7 |

## Worksafe Saskatchewan

|                                                           |        |     |
|-----------------------------------------------------------|--------|-----|
| • Workplace Incident Investigation Course (Worksafe Sask) | online | 0.3 |
| • Supervision and Safety                                  |        | 0.7 |
| • Workplace Inspection Training (Worksafe Sask)           | online | 0.3 |
| • WHMIS 2015                                              |        | 0.4 |
| • Level 1 OHC Training                                    |        | 1.4 |
| • Level 2 OHC Training                                    |        | 0.7 |

|                                          |        |     |
|------------------------------------------|--------|-----|
| • WHMIS                                  | online | 0.3 |
| • Hydrogen Sulphide Safety               |        | 0.3 |
| • Fire Safety and Extinguishers (online) |        | 0.2 |

## World Water & Wastewater Solutions Ltd.

| <b>Water Treatment</b>                                         | <b>Course ID</b> | <b>CEU</b> |
|----------------------------------------------------------------|------------------|------------|
| • Anhydrous Ammonia Safety                                     | WT-25-CT         | 0.3        |
| • Chemical Safety                                              | WT-26-CT         | 0.6        |
| • Chloramination                                               | WT-24-CT         | 0.6        |
| • Chlorine Emergency Repair Kit                                | WT-28-CT         | 0.3        |
| • Chlorination and Disinfection Refresher                      | WT-26-CT         | 0.6        |
| • Chlorine Residual Testing                                    | WT-24-CT         | 0.6        |
| • Gas Chlorination Safety                                      | WT-28-CT         | 0.3        |
| • Gas Chlorination and Disinfection                            | WT-23-CT         | 2.7        |
| • Groundwater Treatment and Water Quality                      | WT-55-CT         | 0.6        |
| • Hydrogen Sulphide Awareness                                  | WT-29-CT         | 0.3        |
| • Hypochlorination and Disinfection                            | WT-22-CT         | 1.7        |
| • Iron and Manganese Removal                                   | WT-31-CT         | 0.6        |
| • Pumps and Pumping Hydraulics                                 | WT-17-HO         | 0.6        |
| • Surface Water Treatment and Water Quality                    | WT-54-CT         | 0.6        |
| • Exam Preparation OIT Water Treatment and Distribution        | WT-11-CT         | 1.8        |
| • Exam Preparation Level 1 & 2 Water Treatment                 | WT-52-CT         | 3.0        |
| <b>Water Distribution</b>                                      |                  |            |
| • Basic Water Distribution for Water Treatment Operators       | WD-65-CT         | 0.6        |
| • Basic Water Treatment for Distribution System Operators      | WD-60-CT         | 0.6        |
| • Buried Utility Locating                                      | WD-32-HO         | 0.6        |
| • Cross Connection Control                                     | WD-62-CT         | 0.6        |
| • Commissioning New Watermains                                 | WD-05-HO         | 0.6        |
| • Distributions System Breaks and Repairs                      | WD-04-HO         | 0.6        |
| • Distribution System Pipe Assemblies                          | WD-06-HO         | 1.3        |
| • Emerging Issues: Lead Services (Get the Lead Out!)           | WD-62-CT         | 0.6        |
| • Fundamentals of Water Distribution for New Operators         | WD-44-HO         | 3.0        |
| • Flushing Techniques                                          | WD-03-HO         | 0.6        |
| • Hydrostatic Pressure Testing of Watermains                   | WD-58-HO         | 0.6        |
| • Introductory Math                                            | WD-22-CT         | 0.6        |
| • Maintaining Chlorine Residual and Proper Sampling Techniques | WD-24-CT         | 0.6        |
| • Operation and maintenance of Fire Hydrants                   | WD-02-CT         | 1.2        |
| • Tapping of Watermains                                        | WD-01-HO         | 0.6        |
| • Watermain Disinfection                                       | WD-51-CT         | 0.6        |
| • Exam Preparation Level 1 & 2 Water Distribution              | WD-54-CT         | 3.0        |
| • Exam Preparation Level 2 & 3 Water Distribution              | WD-55-CT         | 3.0        |
| <b>Wastewater Treatment</b>                                    |                  |            |
| • Activated Sludge Control                                     | WWT-05-CT        | 1.8        |
| • Bio-Solids Handling                                          | WWT-03-CT        | 0.6        |
| • Basic Wastewater Treatment                                   | WWT-02-CT        | 1.8        |
| • Calculations In Wastewater Technology                        | WWT-14-CT        | 0.6        |
| • Exam Preparation OIT, Wastewater Treatment and Collection    | WWT-06-CT        | 3.0        |
| • Exam Preparation Wastewater Treatment Level 1 & 2            | WWT-07-CT        | 3.0        |
| • Exam Preparation Wastewater Treatment Level 3 & 4            | WWT-08-CT        | 3.0        |
| • Fixed Film and Other Treatment Processes                     | WWT-13-CT        | 0.6        |
| • Micro Organisms                                              | WWT- 09-CT       | 0.6        |
| • Ponds and Lagoons                                            | WWT-11-CT        | 0.6        |
| • Wastewater Digester Operation and Control                    | WWT-12-CT        | 0.6        |

|                                                             |           |     |
|-------------------------------------------------------------|-----------|-----|
| • Wastewater Problem Solving                                | WWT-10-CT | 0.6 |
| • Basic Wastewater Collection for Treatment Plant Operators | WWT-20-CT | 0.6 |
| <b>Wastewater Collection</b>                                |           |     |
| • Exam Preparation Wastewater Collection Class 1 & 2        | WWC-01-CT | 2.4 |
| • Exam Preparation Wastewater Collection Class 3 & 4        | WWC-02-CT | 2.4 |
| • Basic Wastewater Collection                               | WWC-07-CT | 1.8 |
| • Collection System Odour and Corrosion Control             | WWC-09-CT | 0.6 |
| • Lift Station Operation and Maintenance                    | WWC-10-CT | 0.6 |

**World Water Operator Training Company** [www.wwotc.com/registration](http://www.wwotc.com/registration)

|            |                                                                           |     |
|------------|---------------------------------------------------------------------------|-----|
| WD-01-HO   | Tapping of Watermains                                                     | 0.7 |
| WD-02-HO   | Operation and Maintenance of Fire Hydrants                                | 1.4 |
| WD-03-HO   | Flushing Techniques                                                       | 0.7 |
| WD-04-HO   | Distribution System Breaks and Repairs                                    | 0.7 |
| WD-05-HO   | Commissioning New Watermain Systems                                       | 0.7 |
| WD-06-HO   | Distribution System Pipe Assemblies                                       | 1.4 |
| WD-11-CT   | Exam Prep Review for Operator-in-Training (OIT): Water Distribution       | 2.1 |
| WD-19-CT   | Corrosion Prevention and Control                                          | 0.7 |
| WD-22-CT   | Introductory Math (OIT)                                                   | 0.7 |
| WD-24-CT   | Maintaining Chlorine Residuals & Proper Sampling                          | 0.7 |
| WD-32-HO   | Buried Utility Locating                                                   | 0.7 |
| WD-44-HO   | Fundamentals of Water Distribution for New Operators                      | 3.5 |
| WD-51-CT   | Watermain Disinfection                                                    | 0.7 |
| WD-53-CT   | Watermain Breaks and Repairs                                              | 1.4 |
| WD-54-CT   | Exam Prep Review for Water Distribution & Supply: Level 1 & 2             | 3.5 |
| WD-55-CT   | Exam Prep Review for Water Distribution & Supply: Level 3 & 4             | 3.5 |
| WD-58-HO   | Hydrostatic Testing of Watermains                                         | 0.7 |
| WD-60-CT   | Basic Water Treatment for Water Distribution System Operators             | 0.7 |
| WD-62-CT   | Emerging Issues: Lead Services                                            | 0.7 |
| WD-65-CT   | Water Quality for Distribution Systems                                    | 0.7 |
| WD-69-CT   | Troubleshooting Skills for WD Operators                                   | 0.7 |
| WD-71-HO   | Flow Testing of Fire Hydrants                                             | 0.3 |
| WD-72-HO   | Assessing Your Distribution System for Rehabilitation                     | 1.4 |
| WD-73-HO   | Distribution System Rehabilitation Alternatives                           | 1.4 |
| WD-75-HO   | Distribution System Valve Maintenance                                     | 0.7 |
| WD-76-CT   | Water Conservation (Cut Your Losses)                                      | 0.7 |
| WD-98-HO   | Fire Hydrant & Valve: Operation, Inspection, Maintenance and Installation | 0.7 |
| WD-99-HO   | Disinfection of Potable Water Piping                                      | 0.7 |
| WD-100-HO  | Watermain Tapping & Repair                                                | 0.7 |
| WD-103-HO  | Winter Wise: The Cold Hard Facts about Distribution Systems               | 0.7 |
| WD-106-CT  | Overview of Water Storage Systems                                         | 0.7 |
| WD-107-CT  | Exam Prep Review for Water Distribution & Supply: Level 1 & 2             | 2.8 |
| WD-108-CT  | Exam Prep Review for Water Distribution & Supply: Level 3 & 4             | 2.8 |
| WD-109-CT  | The Distribution System: Protect your Water from Source to Tap            | 0.7 |
| WD-110-CT  | Impacts of Trapped Air Particles in the Water Distribution System         | 0.7 |
| WD-112-CT  | Understanding System Hydraulics                                           | 0.7 |
| WD-113-CT  | Workbench Maintenance                                                     | 0.7 |
| WD-114-WEB | Exam Review for WD Level 1: Live Workshop                                 | 0.7 |

|            |                                                                |     |
|------------|----------------------------------------------------------------|-----|
| WD-115-CT  | Exam Prep Review - Fast Track: Water Distribution: Level 2     | 2.1 |
| WD-118-WEB | Exam Review for WD Level 2: Live Workshop                      | 0.7 |
| WT-11-CT   | Exam Prep Review for OIT: Water Treatment & Distribution       | 2.8 |
| WT-17-HO   | Pumps and Pumping Hydraulics                                   | 0.7 |
| WT-18-CT   | Introduction to Membranes for Water Treatment                  | 0.7 |
| WT-19-CT   | COVID 19 and Drinking Water                                    | 0.7 |
| WT-22-CT   | Hypochlorination and Disinfection                              | 1.7 |
| WT-23-CT   | Gas Chlorination and Disinfection                              | 2.7 |
| WT-24-CT   | Chloramination                                                 | 0.7 |
| WT-25-CT   | Anhydrous Ammonia Safety                                       | 0.4 |
| WT-26-CT   | Chemical Safety                                                | 0.7 |
| WT-27-CT   | Gas Chlorination Safety                                        | 0.3 |
| WT-28-CT   | Chlorine Emergency Repair Kit                                  | 0.4 |
| WT-29-CT   | Hydrogen Sulfide Awareness                                     | 0.4 |
| WT-30-CT   | Chlorination and Disinfection Refresher                        | 0.7 |
| WT-31-CT   | Iron and Manganese Removal                                     | 0.7 |
| WT-39-CT   | Cross Connection Control                                       | 0.7 |
| WT-52-CT   | Exam Prep Review for Water Treatment: Level 1 & 2              | 3.4 |
| WT-53-CT   | Exam Prep Review for Water Treatment: Level 3 & 4              | 3.5 |
| WT-54-CT   | Surface Water Treatment & Quality                              | 0.7 |
| WT-55-CT   | Groundwater Treatment & Quality                                | 0.7 |
| WT-61-CT   | Chlorine Residual Testing                                      | 0.3 |
| WT-64-CT   | Adverse Water Quality Response                                 | 0.7 |
| WT-65-CT   | Basic Water Distribution for Water Treatment Operators         | 0.7 |
| WT-67-CT   | Arsenic In Drinking Water                                      | 0.7 |
| WT-68-CT   | Basic Laboratory Procedures for Water Operators                | 0.7 |
| WT-70-CT   | Ozone Technology for Water Treatment                           | 0.7 |
| WT-77-CT   | Emerging Issues in Water Treatment                             | 0.7 |
| WT-79-CT   | Advanced Water Treatment                                       | 0.7 |
| WT-81-CT   | Ultraviolet Disinfection and Advanced Oxidation                | 0.7 |
| WT-83-CT   | Cyanotoxins and Their Treatment                                | 0.7 |
| WT-85-CT   | Drinking Water Disinfection - the CT Concept                   | 0.7 |
| WT-87-CT   | Exam Prep Review for Water Treatment: Level 1 & 2              | 2.8 |
| WT-88-CT   | Exam Prep Review for Water Treatment: Level 3 & 4              | 2.8 |
| WT-90-CT   | The Multi Barrier Approach to Drinking Water                   | 0.7 |
| WT-92-CT   | Successful Ministry Inspections                                | 0.7 |
| WT-93-HO   | Analysing Operational Parameters for Water Treatment           | 0.7 |
| WT-94-WEB  | Exam Review for WT Level 1: Live Workshop                      | 0.7 |
| WT-95-CT   | Exam Prep Review - Fast Track: Water Treatment: Level 2        | 2.1 |
| WT-98-WEB  | Exam Review for WT Level 2: Live Workshop                      | 0.7 |
| WT-101-CT  | SCADA System Overview for Operators                            | 0.7 |
| WWC-01-CT  | Exam Prep Review for Wastewater Collection: Level 1 & 2        | 2.8 |
| WWC-02-CT  | Exam Prep Review for Wastewater Collection: Level 3 & 4        | 2.8 |
| WWC-07-CT  | Basic Wastewater Collection                                    | 2.1 |
| WWC-08-CT  | Sewer Flushing & Cleaning Techniques                           | 0.7 |
| WWC-09-CT  | Collection System Odour and Corrosion Control                  | 0.7 |
| WWC-10-CT  | Lift Station Operation and Control                             | 0.7 |
| WWC-11-CT  | Basic Wastewater Treatment for Wastewater Collection Operators | 0.7 |

|            |                                                                           |     |
|------------|---------------------------------------------------------------------------|-----|
| WWC-12-CT  | Controlling Wastewater Collection: Inflow and Infiltration                | 0.7 |
| WWC-13-CT  | Sanitary Sewer Design and Construction Overview                           | 1.4 |
| WWC-14-CT  | Protecting Your Collection System Through Sampling and Monitoring         | 0.7 |
| WWC-16-HO  | Assessing your Collection System for Rehabilitation                       | 1.4 |
| WWC-17-HO  | Collection System Rehabilitation Alternatives                             | 1.4 |
| WWC-18-HO  | Sewer Line Repairs                                                        | 0.7 |
| WWC-22-CT  | Collection System Valve Operation and Maintenance                         | 0.7 |
| WWC-23-CT  | Stormwater Management                                                     | 0.7 |
| WWC-24-CT  | Math for the Collection System Operator                                   | 0.7 |
| WWC-26-WEB | Exam Review for WWC Level 1: Live Workshop                                | 0.7 |
| WWC-28-CT  | Exam Prep Review - Fast Track: Wastewater Collection: Level 3             | 2.1 |
| WWC-30-WEB | Exam Review for WWC Level 2: Live Workshop                                | 0.7 |
| WWT-02-CT  | Basic Wastewater Treatment                                                | 2.1 |
| WWT-02-SIM | Basic Wastewater Treatment Using Simulator Model                          | 2.1 |
| WWT-03-CT  | Biosolids Handling                                                        | 1.4 |
| WWT-05-CT  | Activated Sludge Control                                                  | 2.1 |
| WWT-05-SIM | Activated Sludge Control Using Simulator Model                            | 2.1 |
| WWT-07-CT  | Exam Prep Review for Wastewater Treatment: Level 1 & 2                    | 3.5 |
| WWT-08-CT  | Exam Prep Review for Wastewater Treatment: Level 3 & 4                    | 3.5 |
| WWT-09-CT  | Microorganisms                                                            | 0.7 |
| WWT-10-CT  | Wastewater Problem Solving                                                | 0.7 |
| WWT-10-SIM | Wastewater Problem Solving Using Simulator Model                          | 0.7 |
| WWT-11-CT  | Ponds and Lagoons                                                         | 0.7 |
| WWT-12-CT  | Wastewater Digester Operation and Control                                 | 0.7 |
| WWT-13-CT  | Fixed Film and Other Treatment Processes                                  | 1.4 |
| WWT-14-CT  | Calculations in Wastewater Technology                                     | 0.7 |
| WWT-14-SIM | Calculations in Wastewater Technology Using Simulator Model               | 0.7 |
| WWT-20-CT  | Basic Wastewater Collection for Wastewater Treatment Operators            | 0.7 |
| WWT-21-CT  | Nitrogen Removal Systems                                                  | 0.7 |
| WWT-21-SIM | Nitrogen Removal Systems Using Simulator Model                            | 0.7 |
| WWT-22-CT  | Phosphorus Removal Systems                                                | 0.7 |
| WWT-22-SIM | Phosphorus Removal Systems Using Simulator Model                          | 0.7 |
| WWT-23-CT  | Ponds and Lagoons for Small Systems                                       | 1.4 |
| WWT-25-CT  | Jar Testing: Plant Operations in a Beaker                                 | 0.7 |
| WWT-28-CT  | Wastewater Bacteria                                                       | 0.7 |
| WWT-50-CT  | Wastewater Laboratory Health & Safety                                     | 0.7 |
| WWT-68-CT  | Chemistry and Calculations for Clarifier & Sludge Conditioning            | 2.1 |
| WWT-70-CT  | Wastewater Treatment System Design and Optimization                       | 1.4 |
| WWT-70-SIM | Wastewater Treatment System Design and Optimization Using Simulator Model | 1.4 |
| WWT-71-CT  | Introduction to Wastewater Management                                     | 3.5 |
| WWT-71-SIM | Introduction to Wastewater Management Using Simulator Model               | 3.5 |
| WWT-72-CT  | Introduction to Filamentous Identification                                | 1.4 |
| WWT-75-CT  | Nutrient Removal Systems                                                  | 0.7 |
| WWT-75-SIM | Nutrient Removal Systems Using Simulator Model                            | 0.7 |
| WWT-85-CT  | Wastewater Microbiology                                                   | 0.7 |

|                 |                                                              |     |
|-----------------|--------------------------------------------------------------|-----|
| WWT-86-CT       | Laboratory Procedures for Wastewater Operators               | 0.7 |
| WWT-90-CT       | Effluent Disinfection                                        | 0.7 |
| WWT-91-CT       | Exam Prep Review for WWT: Level 1 & 2 (Four-day)             | 2.8 |
| WWT-92-CT       | Exam Prep Review for WWT: Level 3 & 4 (Four-day)             | 2.8 |
| WWT-93-CT       | Ozone Technology for Wastewater Treatment                    | 0.7 |
| WWT-94-CT       | Membrane Bioreactors in Wastewater Treatment                 | 0.7 |
| WWT-95-CT       | Primary Basics                                               | 0.7 |
| WWT-96-CT       | Sludge Conditioning Basics                                   | 0.7 |
| WWT-98-<br>WEB  | Exam Review for WWT Level 1: Live Workshop                   | 0.7 |
| WWT-100-CT      | Exam Prep Review - Fast Track: Wastewater Treatment: Level 3 | 2.1 |
| WWT-102-<br>WEB | Exam Review for WWT Level 2: Live Workshop                   | 0.7 |
| RM-43-CT        | Record Keeping                                               | 0.3 |
| RM-50-CT        | Wastewater Environmental Compliance                          | 1.4 |
| RM-50-SIM       | Wastewater Environmental Compliance Using Simulator Model    | 1.4 |
| RM-55-CT        | Intermediate Math (Water and Wastewater)                     | 0.7 |
| RM-56-CT        | Equipment Preventative Maintenance                           | 0.7 |
| RM-57-CT        | Introduction to Water Operations Management                  | 2.4 |
| RM-58-CT        | Operational Imperatives                                      | 0.7 |
| RM-59-CT        | Wastewater Operational Imperatives                           | 0.7 |
| MT-01-HO        | Water Meter Installer (and Removal)                          | 2.8 |
| MT-02-HO        | Water Meter Installer (and Removal)                          | 2.1 |
| MS-01-CT        | Emergency Management & Preparedness                          | 0.7 |

# **One Time CEU Approved Training**

## **No Longer Available**

### **Alberta Water & Wastewater Operators Association (AWWOA)** <http://www.awwoa.ab.ca/>

|                                          |                 |     |
|------------------------------------------|-----------------|-----|
| • Process Control Instrumentation Basics | Dec 10-11, 2013 | 1.2 |
|------------------------------------------|-----------------|-----|

### **American Public Works Association (APWA)** <http://www.apwa.net/>

|                                          |                 |     |
|------------------------------------------|-----------------|-----|
| • APWA Conference 2011 – Denver Colorado | Sep 18-21, 2011 | 0.8 |
|------------------------------------------|-----------------|-----|

### **Armour Safety Inc.** <http://armoursafety.com/>

|                    |  |     |
|--------------------|--|-----|
| • H2S Alive ENFORM |  | 0.4 |
|--------------------|--|-----|

### **Associated Engineering** <http://www.ae.ca/>

|                                                          |               |     |
|----------------------------------------------------------|---------------|-----|
| • Water & Wastewater Capacity Building Seminar – Toronto | Nov 1-3, 2012 | 1.0 |
| • Northern Communities Water Treatment Seminar           | Sept 2, 2015  | 0.3 |
| • Confined Space Rescue Level 2                          |               | 0.7 |
| • Ground Disturbance 201 ABCGA Endorsed                  |               | 0.8 |

### **A2Z Safety & Training** [www.a2zsafetyandtraining.ca/a2z-course-listings](http://www.a2zsafetyandtraining.ca/a2z-course-listings)

|             |  |     |
|-------------|--|-----|
| • H2S Alive |  | 0.7 |
|-------------|--|-----|

### **Brenntag Canada Inc.**

|                                                        |              |     |
|--------------------------------------------------------|--------------|-----|
| • Chlorine Safety Awareness Seminar, Buffalo Pound WTP | Aug 22, 2012 | 0.3 |
|--------------------------------------------------------|--------------|-----|

### **California State University – Sacramento (CalState)** <http://www.owp.csus.edu/>

|                      |          |     |
|----------------------|----------|-----|
| • Utility Management | Pre 2003 | 4.5 |
|----------------------|----------|-----|

### **Canada Safety Council (CSC)**

|                                                                    |              |     |
|--------------------------------------------------------------------|--------------|-----|
| • ATV Training Course – Moose Mountain Provincial Park             | Oct 7, 2013  | 0.5 |
| • Utility Vehicle Training Course – Moose Mountain Provincial Park | Oct 8, 2013  | 0.5 |
| • Defensive Driving Course                                         | May 22, 2015 | 0.3 |
| • Utility Vehicle Training                                         |              | 0.5 |
| • Snowmobile Operators Course                                      |              | 0.8 |

### **Canadian Water and Wastewater Association (CWWA) – NWWC**

|               |                 |     |
|---------------|-----------------|-----|
| • CWWA – NWWC | Oct 25-28, 2015 | 1.5 |
|---------------|-----------------|-----|

### **Circuit Rider Trainers Professional Association** <http://www.crtpa.com/>

|                                       |              |     |
|---------------------------------------|--------------|-----|
| • Disinfection Alternatives, Montreal | Sept 1, 2011 | 0.7 |
|---------------------------------------|--------------|-----|

### **City of Estevan**

|                                                          |              |     |
|----------------------------------------------------------|--------------|-----|
| • Service Line Applications & Tapping Seminar (Don Webb) | Apr 25, 2013 | 0.7 |
|----------------------------------------------------------|--------------|-----|

## City of Lloydminster

|                                                    |               |     |
|----------------------------------------------------|---------------|-----|
| • Crane Operations & Safety Training               | March 2013    | 0.6 |
| • Confined Space Pre-Entry, Entry and Basic Rescue | February 2014 | 0.6 |

## City of Moose Jaw

|                                                   |          |     |
|---------------------------------------------------|----------|-----|
| • City of Moose Jaw Safe Trenching and Excavating | May 2017 | 0.4 |
|---------------------------------------------------|----------|-----|

## City of North Battleford

|                                                          |                 |     |
|----------------------------------------------------------|-----------------|-----|
| • Management and Supervision (AWWOA)                     | Nov 17-19, 2014 | 2.0 |
| • Water Quality Sampler Orientation (AWWOA)              | Nov 17-18, 2014 | 1.0 |
| • Process Control Instrumentation – Intermediate (AWWOA) | Feb 18-19, 2015 | 1.2 |
| • Chlorination Workshop (AWWOA)                          | Apr 27-29, 2015 | 2.0 |
| • OSSA Fall Protection                                   | Mar 5, 2016     | 0.6 |
| • UVSwift12 II Operator Training                         |                 | 0.4 |

## City of Prince Albert <http://www.citypa.ca/>

|                                                                                                                       |                           |     |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------|-----|
| • Water Distribution Class 1 – Optimize Consulting                                                                    |                           | 1.1 |
| • Wastewater Collection Class 1 – Optimize Consulting                                                                 | Jun 21-24, 2010           | 1.1 |
| • Water Distribution Class 2 – Optimize Consulting                                                                    |                           | 1.1 |
| • Water Treatment Class 4 – Optimize Consulting                                                                       | Jan 27-28, 2011           | 1.6 |
| • Wastewater Treatment Class 4 – Optimize Consulting                                                                  | Dec 6-9, 2010             | 3.2 |
| • Wastewater Treatment Class 3 – Optimize Consulting                                                                  |                           | 3.2 |
| • Wastewater Collection Class 1-3 Optimize Consulting                                                                 | Dec 14-15, 2011           | 1.2 |
| • Supervision for Safety                                                                                              | Feb 25<br>Mar 4, 18, 2014 | 0.7 |
| • AWI Filter Surveillance Workshop                                                                                    | Feb 27, 2014              | 0.6 |
| • Powered Mobile Equipment                                                                                            | May 6-7, 2014             | 1.4 |
| • Fireman Certificate Course & Provincial Exam,                                                                       |                           | 1.4 |
| • Standard First Aid, CPR C, AED (Lifesaving Society)                                                                 | Nov 4-5, 2014             | 1.6 |
| • Actiflo Clarification Operation, Maintenance & Optimization Workshop (Veolia Water Solutions & Technologies Canada) | March 2015                | 0.6 |

## City of Regina [www.regina.ca](http://www.regina.ca)

|                                             |                 |     |
|---------------------------------------------|-----------------|-----|
| • Biological Nutrient Removal for Operators | Apr 26-27, 2012 | 1.2 |
|---------------------------------------------|-----------------|-----|

## City of Saskatoon [www.saskatoon.ca/](http://www.saskatoon.ca/)

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

## City of Swift Current

|                                  |                 |     |
|----------------------------------|-----------------|-----|
| • Actiflo Training, John Meunier | Oct 25-26, 2011 | 1.0 |
|----------------------------------|-----------------|-----|

**ClearTech Industries Inc.** <http://www.cleartech.ca/index.php>

|                                              |              |     |
|----------------------------------------------|--------------|-----|
| • Safe Handling of Chlorine Gas, Maple Creek | July 6, 2011 | 0.6 |
|----------------------------------------------|--------------|-----|

**CSA / NASSCO (Garret Harvey)**

|                                                                    |            |     |
|--------------------------------------------------------------------|------------|-----|
| • Visual Inspection of Sewer Pipe – CSA Plus 4012 with NASSCO PACP | March 2013 | 1.2 |
|--------------------------------------------------------------------|------------|-----|

**Cumberland College** [www.cumberlandcollege.sk.ca](http://www.cumberlandcollege.sk.ca)

|                         |              |     |
|-------------------------|--------------|-----|
| • Lagoon O & M, Nipawin | Oct 18, 2006 | 0.5 |
|-------------------------|--------------|-----|

**Dave Clark Water Treatment Consulting Inc.**

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

**David H. Paul Inc. Training – Correspondence** <http://www.dhptraining.com/dhp/>

|                                                           |              |     |
|-----------------------------------------------------------|--------------|-----|
| <b>Reverse Osmosis Water Treatment Specialist Program</b> |              |     |
| • Reverse Osmosis Operation and Maintenance – Key Lake    | June 1, 2010 | 0.7 |
| • Reverse Osmosis Monitoring & Troubleshooting – Key Lake | June 2, 2010 | 0.7 |

**DMC Mining**

|                                       |                 |     |
|---------------------------------------|-----------------|-----|
| • Ammonia Emergency Response Training | Jun 20-21, 2017 | 1.2 |
|---------------------------------------|-----------------|-----|

**EDA Environmental Ltd**

|                              |  |     |
|------------------------------|--|-----|
| • Trojan Swift UV Operations |  | 0.4 |
|------------------------------|--|-----|

**Enform**

|                                                              |                 |     |
|--------------------------------------------------------------|-----------------|-----|
| • Oil Production Op. (Part. Credit for Pumps & CTRL Systems) | Mar 11-15, 2013 | 0.3 |
| • Confined Space 1 & 2                                       |                 | 0.8 |
| • WHMIS                                                      |                 | 0.3 |

**Environmental Leverage Inc.**

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

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

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

**EPIC**

|                                              |                 |     |
|----------------------------------------------|-----------------|-----|
| • EPIC Risk Assessment of Contaminated Sites | Sept 24-25 2020 | 1.4 |
|----------------------------------------------|-----------------|-----|

**Evergreen Safety & Training**

|                                       |         |     |
|---------------------------------------|---------|-----|
| • Enform H2S Alive                    | various | 0.7 |
| • OSSA Confined Space Entry & Monitor | various | 0.7 |
| • OSSA Fall Protection                | various | 0.7 |

**FABCO Plastics Saskatoon Ltd.**

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

**Fausser Energy**

|                                |              |     |
|--------------------------------|--------------|-----|
| • Confined Space Entry Level 2 | Apr 17, 2015 | 0.6 |
|--------------------------------|--------------|-----|

**Federation of Saskatchewan First Nations (FSIN) & Touchwood Agency Tribal Council** <http://www.fsin.com/>

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

**Great Plains College**

|                                                                            |                             |     |
|----------------------------------------------------------------------------|-----------------------------|-----|
| • Fall Protection                                                          | Sept 28, 2015               | 0.6 |
| • Respect Group-Sheldon Kennedy & Wayne McNeil Group, Swift Current Campus | Dec 15, 2015<br>Jan 6, 2016 | 0.3 |

**KPS Medic Ltd.**

|                                         |                                    |            |
|-----------------------------------------|------------------------------------|------------|
| • Red Cross First AID Instructor Course | Sep 26-28, 2014<br>Feb 10-11, 2015 | 3.2<br>3.2 |
|-----------------------------------------|------------------------------------|------------|

**Ministry of Environment** <http://www.environment.gov.sk.ca/>

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

## Ministry of Justice

|                                                |               |     |
|------------------------------------------------|---------------|-----|
| • Resolving Conflict Constructively, Saskatoon | Oct 4-6, 2016 | 1.9 |
|------------------------------------------------|---------------|-----|

## MSA Certified Training Program

|                                      |              |     |
|--------------------------------------|--------------|-----|
| • Qualitative Respirator Fit Testing | Apr 10, 2013 | 0.2 |
|--------------------------------------|--------------|-----|

## Mueller Canada

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

## NexLev Solutions

|                                          |                 |     |
|------------------------------------------|-----------------|-----|
| • Project Management Professional Course | Mar 17-18, 2015 | 1.3 |
|------------------------------------------|-----------------|-----|

## Optimize Consulting <https://www.optimizeconsulting.ca>

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

## Outback Renewal Candle Lake

|                                              |               |     |
|----------------------------------------------|---------------|-----|
| • Scissor Lift – Outback Renewal Candle Lake | Aug 7-8, 2014 | 1.2 |
|----------------------------------------------|---------------|-----|

## Parkland College <http://www.parklandcollege.sk.ca/>

|             |  |     |
|-------------|--|-----|
| • H2S Alive |  | 0.7 |
|-------------|--|-----|

## Portage College <http://www.portagecollege.ca/>

|                                   |  |     |
|-----------------------------------|--|-----|
| • H2S Alive                       |  | 0.5 |
| • Fall Protection (OSSA approved) |  | 0.6 |

## Prairie North Health Region

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

## Prince Albert Grand Council

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

## Proactive

|                   |              |     |
|-------------------|--------------|-----|
| • Fall Protection | July 6, 2015 | 0.6 |
|-------------------|--------------|-----|

## RM of Fillmore

|                                      |               |     |
|--------------------------------------|---------------|-----|
| • Global Ground Disturbance Level II | June 17, 2021 | 0.7 |
|--------------------------------------|---------------|-----|

## Safety Services Manitoba <http://safety-services-manitoba.ca/>

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

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

<https://www.newnorthsask.org>

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

|                                                                                                                                                                  |                  |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|
| • Metering Pumps, APH                                                                                                                                            |                  | 0.3 |
| • Drinking Water: Basic Water Analysis (Randy Hanson)                                                                                                            |                  | 0.4 |
| • Wastewater Collection Maintenance (ATAP)                                                                                                                       |                  | 0.6 |
| <b>SANC: Northern Water Conference</b>                                                                                                                           | April 2014       |     |
| • From Sampling to Report – SRC                                                                                                                                  |                  | 0.3 |
| • Standard Operating Procedures, Contingency Plans & Emergency Planning – ATAP                                                                                   |                  | 0.6 |
| • Microbial Maintenance – Enviroway                                                                                                                              |                  | 0.3 |
| <b>SANC: Northern Water Conference</b>                                                                                                                           | Apr 22-23, 2015  |     |
| 2015 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.) |                  | 1.0 |
| • Maintenance for Submersible Pumps and Station Automation Systems – Xylem                                                                                       |                  | 0.3 |
| • Jar Testing – Delco Water (Kelly Franks)                                                                                                                       |                  | 0.3 |
| • Potable Water Reservoir Design, Operation & Maintenance                                                                                                        |                  | 0.6 |
| <b>SANC: New North Water Conference</b>                                                                                                                          | Apr 27- 28, 2016 |     |
| 2016 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.) |                  | 1.0 |
| • Water & Wastewater Operator Math Course                                                                                                                        |                  | 0.3 |
| • Water & Wastewater Operator Safety Course                                                                                                                      |                  | 0.3 |
| • Water Disinfection Techniques                                                                                                                                  |                  | 0.6 |
| <b>SANC: New North Water Conference</b>                                                                                                                          | Apr 11-12, 2017  |     |
| 2017 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.) |                  | 1.0 |
| • Water Works & Sewage Works Permittee Responsibilities                                                                                                          |                  | 0.3 |
| • Control Systems Troubleshooting                                                                                                                                |                  | 0.4 |
| • Responsibilities of Municipal Authorities for Water/Sewage Works                                                                                               |                  | 0.3 |
| <b>SANC: New North Water Conference</b>                                                                                                                          | Apr 17-18, 2018  |     |
| 2017 New North Waterworks Workshop CEU (an operator may only receive either individual workshop CEU's or the overall conference CEU, not a combination of both.) |                  | 1.0 |
| <b>SANC: New North Water Conference</b>                                                                                                                          | Apr 10-11, 2019  | 1.0 |

## Saskatchewan Construction Safety Association (SCSA) <http://www.scsaonline.ca/>

|                                         |  |     |
|-----------------------------------------|--|-----|
| • Frame Scaffolding Awareness Training  |  | 0.6 |
| • Hoisting and Rigging Safety Awareness |  | 1.3 |

## Saskatchewan Water & Wastewater Association (SWWA)

<https://www.swwa.ca/training>

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

|                                                              |                 |     |
|--------------------------------------------------------------|-----------------|-----|
| • Principles of Chlorination                                 | Nov 1, 2001     | 0.3 |
| • Control of BioFouling BOD, BARTS and Well Rehabilitation   | Nov 1, 2001     | 0.3 |
| • Safe Trenching                                             | Nov 1, 2001     | 0.3 |
| • Filter Monitoring and Optimization                         | Nov 1, 2001     | 0.3 |
| <b>SWWA Workshops, 2002</b>                                  |                 |     |
| • Mathematics, Prince Albert                                 | Jan 16, 2002    | 0.5 |
| • Mathematics, Fort Qu'Appelle                               | Jan 17, 2002    | 0.5 |
| Sewage Pumps, ITT                                            |                 |     |
| • Kindersley                                                 | Mar 11-12, 2002 | 1.4 |
| • Prince Albert                                              | Mar 14-15, 2002 | 1.4 |
| Basic Municipal Operations                                   |                 |     |
| • Melfort                                                    | Mar 18-19, 2002 | 1.4 |
| • Swift Current                                              | Mar 21-22, 2002 | 1.4 |
| Filtration Workshop, AWI                                     |                 |     |
| • Estevan                                                    | Apr 15-16, 2002 | 1.2 |
| • Saskatoon                                                  | Apr 18-19, 2002 | 1.2 |
| <b>SWWA Annual Conference, Saskatoon, November 20, 2002</b>  |                 |     |
| • Confined Space Entry                                       |                 | 0.3 |
| • Mechanical Water Meter O & M                               |                 | 0.3 |
| • SCADA for Dummies                                          |                 | 0.3 |
| • Vacuum Excavation                                          |                 | 0.3 |
| <b>SWWA Workshops, 2003</b>                                  |                 |     |
| • Confined Spaces, Melville                                  | Jan 21-22, 2003 | 1.6 |
| • Organics Control, North Battleford                         | Mar 12, 2003    | 0.8 |
| • Lagoon Maintenance, Wynyard                                | Apr 23, 2003    | 0.5 |
| • Valve & Hydrant O & M, Mueller, Humboldt                   | Apr 30, 2003    | 0.5 |
| • Water Regulations, Sask. Environment, Watrous              | June 6, 2003    | 0.5 |
| <b>SWWA Annual Conference, Saskatoon, November 2003</b>      |                 |     |
| • Math for Operators, Kelly Franks, ClearTech                |                 | 0.3 |
| • WWT – Basics to Advanced, Doug Moisuk, Regina              |                 | 0.3 |
| • Calibrating Test Equipment, Andre Lemoine, Hach            |                 | 0.3 |
| • Filtration Systems – Then & Now, Dave Clark Consulting Inc |                 | 0.3 |
| • AWWA Teleconference: Utility Case Studies                  | Nov 6, 2003     | 0.3 |
| <b>SWWA Workshops, 2004</b>                                  |                 |     |
| • Math for Operators, Sask. Environment: Meadow Lake         | Jan 14, 2004    | 0.3 |
| Water Quality Emergency Planning, Sask. Environment-         |                 |     |
| • Melfort                                                    | Jan 28, 2004    | 0.3 |
| • Weyburn                                                    | Feb 4, 2004     | 0.3 |
| • Lagoon O & M, Sask. Environment: Swift Current             | March 2004      | 0.3 |
| Calibrating Electronic Test Equipment, Clear Tech            |                 |     |
| • Indian Head                                                | May 3, 2004     | 0.3 |
| • Shaunavon                                                  | May 6, 2004     | 0.3 |
| • Tisdale                                                    | May 11, 2004    | 0.3 |
| • North Battleford                                           | May 13, 2004    | 0.3 |
| • Water/Wastewater Inspection Program, Environment, Kipling  | June 11, 2004   | 0.3 |
| <b>SWWA Annual Conference, Saskatoon, November 3, 2004</b>   |                 |     |
| • Water Meter Workshop, Spartan Controls                     |                 | 0.3 |
| • Water Distribution Maintenance, Turner Consulting          |                 | 0.3 |
| • Organics in Surface Water, Buffalo Pound                   |                 | 0.6 |
| • AWWA Teleconference: "Sustainability"                      |                 | 0.3 |
| <b>SWWA Workshops, 2005</b>                                  |                 |     |
| Chemical Solution Feed Pumps O & M, ClearTech                |                 |     |
| • Kindersley                                                 | Mar 16, 2005    | 0.3 |
| • Moosomin                                                   | Mar 23, 2005    | 0.3 |
| • Waterworks Systems Assessment, Environment: Assiniboia     | June 3, 2005    | 0.5 |
| • Confined Space Entry, Kin-Kerr Services Ltd.: Saskatoon    | Sept 28, 2005   | 0.6 |
| <b>SWWA Annual Conference, Saskatoon, November 2, 2005</b>   |                 |     |

|                                                                                     |                  |     |
|-------------------------------------------------------------------------------------|------------------|-----|
| • Media & Public Relations, Sask. Watershed Authority (SWA)                         |                  | 0.3 |
| • Programmable Logic Controllers, Delco Automation                                  |                  | 0.3 |
| • Well O & M, PFRA, SWA, Grundfos Pumps                                             |                  | 0.3 |
| • Filter Maintenance, Anthratch Western                                             |                  | 0.3 |
| • AWWA Teleconference, "Shrinking Workforce"                                        |                  | 0.3 |
| <b>SWWA Workshops, 2006</b>                                                         |                  |     |
| Jar Testing                                                                         |                  |     |
| • North Battleford                                                                  | Jan 23, 2006     | 0.5 |
| • Herbert                                                                           | Jan 26, 2006     | 0.5 |
| Reservoir Maintenance                                                               |                  |     |
| • Tisdale                                                                           | Feb 14, 2006     | 0.6 |
| • Weyburn                                                                           | Feb 21, 2006     | 0.6 |
| Distribution System O&M, AWWA Teleconference replay                                 |                  |     |
| • Prince Albert                                                                     | Mar 21, 2006     | 0.3 |
| • Melville                                                                          | Mar 29, 2006     | 0.3 |
| • UV Disinfection: Biggar                                                           | June 2, 2006     | 0.6 |
| <b>SWWA Annual Conference, Saskatoon, November 1, 2006</b>                          |                  |     |
| • Lift Station Pump Design                                                          |                  | 0.6 |
| • Maintaining the Performance of RO Systems                                         |                  | 0.3 |
| • Principles of Chlorination                                                        |                  | 0.3 |
| • Watermain Distribution Maintenance, Keith Mayo, ATAP                              |                  | 0.3 |
| • Federal/Provincial Regulatory Framework                                           |                  | 0.3 |
| • AWWA Teleconference – Fire Hydrants – O & M                                       |                  | 0.3 |
| <b>SWWA Workshops, 2007</b>                                                         |                  |     |
| • Jar Testing, Kipling                                                              | Jan 17, 2007     | 0.5 |
| • Distribution System Repair, Rehab. & Replacement; AWWA Video Conference Shaunavon | Jan 24, 2007     | 0.3 |
| • Iron & Manganese Removal, Marcelin AWI                                            | Feb 6, 2007      | 0.5 |
| • Membrane Filtration, Manitou Beach; Associated                                    | Feb 28, 2007     | 0.5 |
| • Math for Operators, Yorkton, MR2 / ClearTech                                      | Apr 18, 2007     | 0.5 |
| • Lagoon Operation & Maintenance; Nelson Env. Inc: Martensville                     | Apr 25, 2007     | 0.5 |
| • Sampling Techniques & Equipment Calibration; Hach Canada Moose Jaw                | April 27, 2007   | 0.5 |
| • Leak Detection & Audit, Al Turner Consulting, Weyburn / Melville                  | May 7-9, 2007    | 0.5 |
| • Emergency Planning for Water & Wastewater, Nipawin                                | June 7, 2007     | 0.6 |
| <b>SWWA Annual Conference, November 7-8, 2007</b>                                   |                  |     |
| • Water Efficiency from Planning to Implementation                                  |                  | 0.3 |
| • The Safe Handling of Chlorine Gas                                                 |                  | 0.3 |
| • Small Waterworks Disinfection Contact Time                                        |                  | 0.3 |
| • Management of Ground Water Sources                                                |                  | 0.3 |
| • Watermain Swabbing                                                                |                  | 0.3 |
| • From Water Sampling to Report                                                     |                  | 0.3 |
| <b>SWWA Workshops, 2008</b>                                                         |                  |     |
| • Lagoon Operation and Maintenance                                                  | Mar 4,5,18, 2008 | 0.6 |
| • Water Conservation                                                                | Mar 27, 2008     | 0.6 |
| • Math for Operators                                                                | Mar 5, 6, 2008   | 0.5 |
| • Leak Detection & Audit, Al Turner Consulting Ltd.                                 | May 6 & 8, 2008  | 0.5 |
|                                                                                     | June 4, 2008     | 0.5 |
| • Valve & Hydrant – Mueller                                                         | Apr 29, 2008     | 0.7 |
|                                                                                     | May 1, 2008      | 0.7 |
| • Filter Operation & Maintenance                                                    | Apr 30, 2008     | 0.6 |
|                                                                                     | May 14, 2008     | 0.6 |
| <b>SWWA Annual Conference, November 5-6, 2008</b>                                   |                  |     |
| • Mechanical Pipe Restraint Design                                                  |                  | 0.3 |
| • Seals Are Not Just Furry Animals                                                  |                  | 0.3 |
| • Solar Hot Water Heating in Saskatchewan                                           |                  | 0.3 |
| • It's Only Iron and Manganese – It Can be Treated                                  |                  | 0.3 |

|                                                                                                      |                 |     |
|------------------------------------------------------------------------------------------------------|-----------------|-----|
| • Do You Have a Pandemic Plan?                                                                       |                 | 0.3 |
| • Working in Confined Spaces                                                                         |                 | 0.3 |
| <b>SWWA Workshops, 2009</b>                                                                          |                 |     |
| • Jar Testing, Prince Albert                                                                         | Feb 10,11, 2009 | 0.7 |
| • Jar Testing, Assiniboia                                                                            | Feb 20, 2009    | 0.7 |
| • Valves, Meters & Piping Attachments – Meuller                                                      | May 6, 7, 2009  | 0.6 |
| Cylinder Mount Chlorinator Operation and Maintenance                                                 |                 |     |
| • Melville                                                                                           | Mar 31, 2009    | 0.6 |
| • Watrous                                                                                            | Apr 7, 2009     | 0.6 |
| Lagoon Operation and Maintenance                                                                     |                 |     |
| • Rosetown                                                                                           | Mar 25, 2009    | 0.6 |
| • Langenburg                                                                                         | Apr 23, 2009    | 0.6 |
| • Aging Infrastructure, Prince Albert (Golf Tourney)                                                 | June 5, 2009    | 0.5 |
| • Lift Station Operation & Maintenance, Saskatoon                                                    | Apr 29, 2009    | 0.5 |
| <b>SWWA Annual Conference, November 4-6, 2009</b>                                                    |                 |     |
| • Hydrant Operation & Maintenance                                                                    |                 | 0.3 |
| • True Grit – The Workshop                                                                           |                 | 0.3 |
| • Exactly What is Free Chlorine?                                                                     |                 | 0.3 |
| • Building Procedures with the SOP Toolkit                                                           |                 | 0.3 |
| • High Density Polyethylene (HDPE) Pipe Fusion                                                       |                 | 0.3 |
| • Asset Management                                                                                   |                 | 0.3 |
| <b>SWWA Workshops, 2010</b>                                                                          |                 |     |
| • Chemical Solution Feed Pumps Workshop will be in Unity                                             |                 | 0.3 |
| Hydrant Operation and Maintenance                                                                    |                 |     |
| • Yorkton                                                                                            | May 4, 2010     | 0.7 |
| • North Battleford                                                                                   | May 6, 2010     | 0.7 |
| Valves, Meters and Piping Attachments                                                                |                 |     |
| • Humboldt                                                                                           | Apr 6, 2010     | 0.6 |
| • Moose Jaw                                                                                          | Apr 7, 2010     | 0.6 |
| • High Density Polyethylene (HDPE) Pipe Fusion, Theory & Practical                                   | Feb 24, 2010    | 0.7 |
| • Extended – Saskatoon                                                                               |                 | 0.8 |
| • Building Procedures with the SOP Tool Kit                                                          | Apr 14, 2010    | 0.6 |
| • Fire Hydrant and Valve Maintenance / Repair CLOW Canada Weyburn                                    | June 16, 2010   | 0.6 |
| • Drinking Water Reservoir – Design, Operation and Maintenance, Saskatoon                            | May 19, 2010    | 0.5 |
| Municipal Wastewater Piping System Maintenance                                                       |                 |     |
| • Outlook                                                                                            | May 11, 2010    | 0.4 |
| • Weyburn                                                                                            | May 12, 2010    | 0.4 |
| • Groundwater Issues in Saskatchewan, Swift Current                                                  | June 4, 2010    | 0.5 |
| <b>SWWA Annual Conference, November 3-4, 2010</b>                                                    |                 |     |
| • Couplings, Service Saddles, Tapping Sleeves and Repair Clamps, Saskatoon, SK                       | Nov 4, 2010     | 0.3 |
| • SCADA Solutions Enhance Productivity of Water Utilities                                            | Nov 3, 2010     | 0.3 |
| • Fundamentals of Calibration and Certification of On Line and Lab Instruments in Water & Wastewater | Nov 4, 2010     | 0.3 |
| • Regulations, Permits to Operate & Operator Certification, Saskatoon SK – SMOE                      | Nov 4, 2010     | 0.3 |
| • Industrial Electrical Safety for Non-Electrical Workers                                            | Nov 3, 2010     | 0.3 |
| • Blowers, Air Compressors and Air Dryers                                                            | Nov 4, 2010     | 0.3 |
| <b>SWWA Workshops, 2011</b>                                                                          |                 |     |
| • Basic Science – AC Pipes Water Distribution Systems –Yorkton                                       | Mar 29, 2011    | 0.6 |
| • Maintenance of Valves – Watrous                                                                    | Apr 12, 2011    | 0.6 |
| • Solar Mount – Chlorine Safety - Wakaw                                                              | Apr 13, 2011    | 0.6 |
| • Cross Connection Control – Saskatoon                                                               | Apr 29, 2011    | 0.6 |
| • Lift Station Operation & Maintenance – Saskatoon                                                   | May 9, 2011     | 0.6 |
| Valves, Meters & Piping Attachments                                                                  |                 |     |
| • Wynyard                                                                                            | May 10, 2011    | 0.6 |

|                                                                                                                                                                  |                 |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|
| • Estevan                                                                                                                                                        | May 11, 2011    | 0.6 |
| • Disinfection and Chemical Pump, NB Grand Council                                                                                                               | May 12&13, 2011 | 1.2 |
| • Intro to GPS – SWWA Golf Tournament – Yorkton, Cansel                                                                                                          | June 2, 2011    | 0.6 |
| • Sampling Techniques & Analysis SWWA Golf Tourney Yorkton                                                                                                       | June 2, 2011    | 0.6 |
| <b>SWWA Annual Conference, November 16-18, 2011</b>                                                                                                              |                 |     |
| • Trenchless Technology – City of Edmonton                                                                                                                       |                 | 0.3 |
| • Introduction to Invasive Species                                                                                                                               |                 | 0.3 |
| • Conventional Treatment – Enviro Way                                                                                                                            |                 | 0.3 |
| • Source Water Protection in Canada                                                                                                                              |                 | 0.3 |
| • Optimizing Nutrient Removal Through Instrumentation                                                                                                            |                 | 0.3 |
| • Drinking Water Management Systems                                                                                                                              |                 | 0.3 |
| • Pump Course – Anthony Cherwenuk                                                                                                                                |                 | 0.6 |
| • Take Control – Neptune Technology Group                                                                                                                        |                 | 0.3 |
| • Control Systems, PLC's and SCADA                                                                                                                               |                 | 0.6 |
| <b>SWWA Workshops, 2012</b>                                                                                                                                      |                 |     |
| • Supervisory Training for the Water and Wastewater Industry                                                                                                     |                 | 0.3 |
| • Chlorine Safety and Handling Seminar, ClearTech                                                                                                                |                 | 0.6 |
| • RO Course, T. Helmink, M. Nelson                                                                                                                               |                 | 0.6 |
| <b>SWWA Annual Conference, November 7-9, 2012</b>                                                                                                                |                 |     |
| • WS-1 Water Loss Reduction through Pressure Management                                                                                                          | Singer Valve    | 0.3 |
| • WS-2 Unidirectional Flushing                                                                                                                                   | AquiData        | 0.3 |
| • WS-3 Safety at the Workplace                                                                                                                                   | WCB             | 0.3 |
| • WS-4 Pump Maintenance                                                                                                                                          | Xylem           | 0.3 |
| • WS-5 Water Meter Management – Neptune Tech.                                                                                                                    | Bruce Keachie   | 0.3 |
| • WS-6 Well Inspection, Operation & Maintenance, SWA                                                                                                             | Nolan Shaheen   | 0.3 |
| • WS-7 Walkerton Now – Bruce Davidson                                                                                                                            |                 | 0.2 |
| <b>SWWA Workshops 2013</b>                                                                                                                                       |                 |     |
| • Sask Water Security Agency – 25 Yr Plan                                                                                                                        | May 31, 2013    | 0.3 |
| • Standard Operating Procedures – Dawn Dierker                                                                                                                   | May 31, 2013    | 0.6 |
| • OH&S Workplace Responsibility System & Info Sessions<br>Kim Meyer                                                                                              | May 31, 2013    | 0.3 |
| <b>SWWA Annual Conference, November 6-8, 2013</b>                                                                                                                |                 |     |
| • WS-1 Pump Efficiency – Testing & Analysis                                                                                                                      | AE              | 0.3 |
| • WS-2 Advances in Headworks Technologies                                                                                                                        | Stantec         | 0.3 |
| • WS-3 Development of Operation Maintenance Manuals & SOPs                                                                                                       | ATAP            | 0.3 |
| • WS-4 RO/NF Membrane                                                                                                                                            | Avista          | 0.3 |
| • WS-5 Flownet Meter Reading Technology                                                                                                                          | Corix           | 0.3 |
| • WS-6 Do Disinfection By-Products in Drinking Water Cause<br>Cancer in Humans                                                                                   | Hrudey          | 0.3 |
| • WS-7 Effective Negotiation Skills                                                                                                                              | McDougall       | 0.2 |
| <b>SWWA Workshops 2014</b>                                                                                                                                       |                 |     |
| • Metering Pumps, Anderson Pump House                                                                                                                            | Mar 26, 2014    | 0.3 |
| • Maintenance & Troubleshooting for Sewage Pump Stations                                                                                                         | Mar 26, 2014    | 0.3 |
| • Flushing out the Mysteries of Wastewater Treatment (Dierker)                                                                                                   | May 29, 2014    | 0.6 |
| • Membrane Treatment Seminar                                                                                                                                     | May 29, 2014    | 0.6 |
| <b>SWWA Annual Conference, November 5-7, 2014</b>                                                                                                                |                 |     |
| 2014 SWWA Conference CEU (an operator may only receive either individual workshop certificates or the overall conference certificate, not a combination of both) | Nov 5-7, 2014   | 1.2 |
| • Disinfection By-Products (Hooge)                                                                                                                               | Nov 2014        | 0.3 |
| • What to Expect in State of Emergencies                                                                                                                         | Nov 2014        | 0.3 |
| • Process Control and SCADA Fundamentals                                                                                                                         | Nov 2014        | 0.3 |
| • Removing Iron & Manganese<br>The Process – The Media – The Maintenance                                                                                         | Nov 2014        | 0.3 |
| • Infrastructure Asset Management                                                                                                                                | Nov 2014        | 0.3 |
| • The Changing World of Emergency Planning                                                                                                                       | Nov 2014        | 0.2 |
| • Using Data Effectively on Report Graphing Benchmarking &                                                                                                       |                 |     |

|                                                                                                                                                                   |                 |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|
| Statistical Process Control w/Plant Operations<br>Scott Dorner Hach                                                                                               | Nov 2014        | 0.3 |
| <b>SWWA Workshops, 2015</b>                                                                                                                                       |                 |     |
| • Hydrant Operation and Maintenance – Don Webb Mueller                                                                                                            |                 | 0.6 |
| • Control Systems, PLC's and SCADA; Bob Baumgartner<br>SaskWater                                                                                                  |                 | 0.6 |
| • Chlorine Safety and Handling Seminar; Cleartec                                                                                                                  |                 | 0.6 |
| • Sampling Techniques & Analysis; Dawn Dierker                                                                                                                    |                 | 0.6 |
| <b>SWWA Annual Conference, November 4-6, 2015</b>                                                                                                                 |                 |     |
| 2015 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both) | Nov 4-6, 2015   | 1.2 |
| • Distribution Operation Maintenance                                                                                                                              | Nov 2015        | 0.3 |
| • Building & Maintaining a Resilient Smart Grid Systems, Meters, Maintenance & Technology                                                                         | Nov 2015        | 0.3 |
| • Lagoons                                                                                                                                                         | Nov 2015        | 0.3 |
| • Proper Hydrant Inspection                                                                                                                                       | Nov 2015        | 0.3 |
| • Nutrient Removal: What this Means for Your Community Under New Regulations                                                                                      | Nov 2015        | 0.3 |
| • Remote Monitoring and Reduced Visits                                                                                                                            | Nov 2015        | 0.3 |
| • 7.5 Things That We Can Do to Save Lives and Bring Value to an Organization                                                                                      | Nov 2015        | 0.3 |
| <b>SWWA Annual Conference, November 2-4, 2016</b>                                                                                                                 |                 |     |
| 2016 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both) | Nov 2-4 2016    | 1.2 |
| • The Power of Building and Operating a Resilient Smart Grid System: Meters, Maintenance & Analytics                                                              | Nov 2016        | 0.3 |
| • Cold Climate Nitrification, Removing Ammonia from Frigid Lagoons                                                                                                | Nov 2016        | 0.3 |
| • Small Wastewater Systems                                                                                                                                        | Nov 2016        | 0.3 |
| • Cold Climate Lagoons – Removing Ammonia, Phosphorous & Nitrogen                                                                                                 | Nov 2016        | 0.3 |
| • CIPP Pressure Pipe Seminar                                                                                                                                      | Nov 2016        | 0.3 |
| • Treated Water – to the distribution system & beyond                                                                                                             | Nov 2016        | 0.3 |
| • Working Together From Start to                                                                                                                                  | Nov 2016        | 0.3 |
| • Unidirectional Flushing                                                                                                                                         | Nov 2016        | 0.3 |
| <b>SWWA Workshops, 2017</b>                                                                                                                                       |                 |     |
| • Are You Prepared? Emergency Response Planning, Certification & WSA Updates – Saskatoon – A. Raghu & K. Neuert, WSA                                              | Mar 22, 2017    | 0.6 |
| • Asset Management – Saskatoon                                                                                                                                    | Mar 9, 2017     | 0.6 |
| • Service Line Applications & Tapping – Estevan & Saskatoon – D. Webb – Mueller                                                                                   | Apr 25-26, 2017 | 0.6 |
| • Water Meters, Valves and Pipe Repair and Protection – North Battleford & Swift Current – A. McGregor – Neptune Technologies                                     | Mar 27-28, 2017 | 0.6 |
| <b>SWWA Annual Conference, November 1-2, 2017</b>                                                                                                                 |                 |     |
| 2017 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both) | Nov 1-2, 2017   | 1.2 |
| • Asset Management                                                                                                                                                | Nov 1, 2017     | 0.3 |
| • Positive Displacement and Centrifugal Pumps (WS2)                                                                                                               | Nov 1, 2017     | 0.3 |
| • Determining the Right Automated Reading System                                                                                                                  | Nov 1, 2017     | 0.3 |
| • Water Supply Crisis-How we treated water from 4 different sources in 10 days to keep the taps running                                                           | Nov 2, 2017     | 0.3 |
| • Applications and Case Studies of Membrane Systems for Water Treatment                                                                                           | Nov 2, 2017     | 0.3 |

|                                                                                                                                                                   |                   |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|
| • Nothing is Out of Reach: Advanced Metering Reading                                                                                                              | Nov 2, 2017       | 0.3 |
| • Walkerton Now                                                                                                                                                   | Nov 2, 2017       | 0.3 |
| • Courage Inside Fire, Darby Allen's Story of Trust, Teamwork and Leadership                                                                                      | Nov 2, 2017       | 0.1 |
| • Hydrant Operation & Maintenance                                                                                                                                 | April 24&26, 2018 | 0.6 |
| • Membrane Technology                                                                                                                                             | May 2, 2018       | 0.7 |
| <b>SWWA Annual Conference, November 7-8, 2018</b>                                                                                                                 |                   |     |
| 2018 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both) | Nov 7-8, 2018     | 1.2 |
| • Squamish WWTP Automation Upgrade                                                                                                                                | Nov 7, 2018       | 0.1 |
| • PipePatch Trenchless Point Repair                                                                                                                               | Nov 7, 2018       | 0.1 |
| • Gas Detection Safety in the Water and Wastewater Industry                                                                                                       | Nov 7, 2018       | 0.1 |
| • Replace your old Traditional air/vac release valves                                                                                                             | Nov 7, 2018       | 0.1 |
| • MIEEX Anion Exchange                                                                                                                                            | Nov 7, 2018       | 0.1 |
| • Membrane Technology Overview                                                                                                                                    | Nov 7, 2018       | 0.1 |
| • Woodlot Eff Investigation                                                                                                                                       | Nov 7, 2018       | 0.1 |
| • You Found What in My Water?                                                                                                                                     | Nov 7, 2018       | 0.1 |
| • Innovative Solutions for Lagoons and Mechanical Plants                                                                                                          | Nov 7, 2018       | 0.1 |
| • Chemical Feed & Instrumentation                                                                                                                                 | Nov 7, 2018       | 0.3 |
| • The Significance of a Hydrant and Valve                                                                                                                         | Nov 7, 2018       | 0.3 |
| • Validation of Water & Wastewater Quality Measurements                                                                                                           | Nov 7, 2018       | 0.3 |
| • Fundamentals of Pumping                                                                                                                                         | Nov 8, 2018       | 0.3 |
| • Survey of Meter & Meter Reading                                                                                                                                 | Nov 8, 2018       | 0.3 |
| • Iron and Manganese Removal                                                                                                                                      | Nov 8, 2018       | 0.3 |
| • Legalities of Public Officials                                                                                                                                  | Nov 8, 2018       | 0.3 |
| • Blue is the New Green                                                                                                                                           | Nov 8, 2018       | 0.3 |
| • Creating a culture of high productivity in your organization                                                                                                    | Nov 9, 2018       | 0.3 |
| • Pump and System Hydraulics                                                                                                                                      |                   | 0.6 |
| • Water Sampling & Analysis                                                                                                                                       |                   | 0.6 |
| • Multiple Pathways to Resiliency                                                                                                                                 |                   | 0.3 |
| <b>SWWA Annual Conference, November 6-8, 2019</b>                                                                                                                 |                   |     |
| 2019 SWWA Conference CEU (an operator may only receive either individual workshops certificates or the overall conference certificate, not a combination of both) | Nov 6-8, 2019     | 1.2 |
| • Take a Little More Off the Top:How to Optimize Your Plant                                                                                                       | Nov 6-8, 2019     | 0.1 |
| • HydroVac                                                                                                                                                        | Nov 6-8, 2019     | 0.1 |
| • Smart Cities Smart Water How Lot Devices are Transforming the                                                                                                   | Nov 6-8, 2019     | 0.1 |
| • Plant Performance Improvements at Town of Gravelbourg                                                                                                           | Nov 6-8, 2019     | 0.1 |
| • What's Going on in your System?                                                                                                                                 | Nov 6-8, 2019     | 0.1 |
| • I Zinc we had a Toxic Event                                                                                                                                     | Nov 6-8, 2019     | 0.1 |
| • Piloting of Ceramic Filter Media vs Sand/Anthracite...Basins                                                                                                    | Nov 6-8, 2019     | 0.1 |
| • Which Pipe First?                                                                                                                                               | Nov 6-8, 2019     | 0.1 |
| • Biological Treatment of Drinking Water for Village of Mankota                                                                                                   | Nov 6-8, 2019     | 0.1 |
| • SCADA: The Industrial Technology Revolution                                                                                                                     | Nov 6-8, 2019     | 0.3 |
| • Granular Media Filtration is a Batch Process                                                                                                                    | Nov 6-8, 2019     | 0.3 |
| • Transient and Surge Related Pipe Bursts                                                                                                                         | Nov 6-8, 2019     | 0.3 |
| • Distribution Maintenance                                                                                                                                        | Nov 6-8, 2019     | 0.3 |
| • Achieving Safety, Performance Optimization and Overviewed                                                                                                       | Nov 6-8, 2019     | 0.3 |
| • Multiple Ways of Resiliency                                                                                                                                     | Nov 6-8, 2019     | 0.3 |
| • Safety Culture                                                                                                                                                  | Nov 6-8, 2019     | 0.3 |
| • Water Loss & Leak Detection 101 – Online                                                                                                                        |                   | 0.3 |
| • Red Cross Psychological First Aid                                                                                                                               |                   | 0.3 |

## SaskPower Corporation <http://www.saskpower.com/>

|                                                         |              |     |
|---------------------------------------------------------|--------------|-----|
| • Confined Space Entry & Basic Rescue, Refresher Course | Mar 13, 2007 | 0.7 |
| • Management Essentials Program – Supervisor            |              | 3.0 |

## SaskWater Corporation <http://www.saskwater.com/>

|                                                                                 |                              |     |
|---------------------------------------------------------------------------------|------------------------------|-----|
| • Industrial Electrical Safety for Non-Electrical Workers – Magna Electric Corp | Feb 25, 2010<br>Feb 18, 2011 | 0.6 |
| • Chlorine Analyzers Troubleshooting – Metcon                                   | Apr 14&15, 2011              | 0.7 |
| • Crucial Conversations                                                         | Dec 5-6, 2017                | 1.4 |
| • Supervisor Drug & Alcohol Awareness Training (Non-DOT)                        |                              | 0.2 |

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

<https://www.newnorthsask.org>

|                                  |                 |     |
|----------------------------------|-----------------|-----|
| SANC: New North Water Conference | Apr 29-30, 2020 | 1.2 |
|----------------------------------|-----------------|-----|

## Saskatchewan Association of Rural Water Pipelines (SARWP)

<https://www.sarwp.ca/>

|                                                                    |             |     |
|--------------------------------------------------------------------|-------------|-----|
| • On-Line Chlorine Analysers & Chlorination, Saskatoon             | Dec 6, 2006 | 0.3 |
| • Principles & Practices of Drinking Water Chlorination, Saskatoon | Dec 6, 2006 | 0.3 |
| • Control Systems Trouble-shooting and Maintenance, Stantec        | Dec 1, 2008 | 0.6 |
| • Cross Control Connection                                         | Dec 2009    | 0.6 |
| • High Density Polyethylene (HDPE) Pipe Fusion                     | Dec 2010    | 0.6 |
| • Distribution System Maintenance – S. Dobrowny                    | Dec 2011    | 0.6 |
| • Pump & Valve Operation & Maintenance                             |             | 0.7 |

## Saskatchewan Ministry of Government Relations

|                                         |        |     |
|-----------------------------------------|--------|-----|
| • Basic Emergency Management – Melfort  | 2 days | 1.2 |
| • Emergency Operations Centre – Melfort | 2 days | 1.6 |

## Saskatchewan Onsite Wastewater Management Association

|                                             |              |     |
|---------------------------------------------|--------------|-----|
| • Onsite Wastewater System Education Days   | Apr 4, 2017  | 0.5 |
| • Onsite Wastewater Systems Design Workshop | Apr 11, 2018 | 0.7 |

## Saskatchewan Public Works Association (SPWA) <http://saskatchewan.cpwa.net/>

|                                                                 |  |     |
|-----------------------------------------------------------------|--|-----|
| <b>SPWA Conference February 26-28, 2008</b>                     |  |     |
| • Emergency Planning                                            |  | 0.6 |
| • Equipment Operator Training Workshop (WD and WWC only)        |  | 0.3 |
| • Succession Planning, Documenting Standard Operating Procedure |  | 0.1 |
| • Climate Change – Corman Park Project                          |  | 0.1 |
| • InsituForm, Pipe Lining for Water and Sewer Pipes             |  | 0.1 |
| • PSAB – Public Sector Accounting Board                         |  | 0.1 |
| • Sewer Use Policy / Bylaws                                     |  | 0.1 |
| • Water and Wastewater Asset Management                         |  | 0.1 |
| <b>2009 Conference February 24 – 27, 2009 Saskatoon, SK</b>     |  |     |
| • Langenburg Reverse Osmosis Plant                              |  | 0.1 |
| • Building a Workplace Safety Culture                           |  | 0.3 |
| • Equipment Demonstration – City of Saskatoon                   |  | 0.2 |
| • Challenges Facing Public Works                                |  | 0.1 |

|                                                                                              |              |       |
|----------------------------------------------------------------------------------------------|--------------|-------|
| • Safe Trenching/Confined Space Presentation                                                 |              | 0.3   |
| <b>2010 Conference February 24 – 25, 2010 Regina, SK</b>                                     |              |       |
| • Examining TEAM                                                                             |              | 0.075 |
| • Putting TEAM in Safety                                                                     |              | 0.075 |
| • Moose Jaw WWTP                                                                             |              | 0.075 |
| • Saskatoon Water System                                                                     |              | 0.075 |
| • PSAB/Asset Management and Water System Assessments in Northern Saskatchewan                |              | 0.075 |
| • Harbour Landing Pumping Station                                                            |              | 0.075 |
| <b>2011 Conference February 24 – 25, 2011 Regina, SK</b>                                     |              |       |
| • Less Trench Alternative to Watermain Replacement                                           |              | 0.3   |
| • The ABC's of Fire and Extinguishing                                                        |              | 0.3   |
| • Team Dynamics                                                                              |              | 0.2   |
| <b>2011 SPWA Workshops</b>                                                                   |              |       |
| • Hydrant & Valve – Operation and Maintenance Workshop                                       |              | 0.7   |
| • CPWA Public Works Safety Workshop                                                          | Feb 25, 2011 | 0.3   |
| <b>2016 SPWA Conference February 23 – 25, 2016</b>                                           |              |       |
| Full Conference attendance (includes workshop & attendance to 4 of the 8 technical sessions) |              | 1.0   |
| • ATAP – Filter Surveillance & Optimization                                                  | Feb 25, 2016 | 0.6   |
| • Public Works Safe                                                                          |              | 0.6   |
| • Wastewater Collection Systems – The Good, The Bad & The Very Ugly                          | online       | 0.3   |
| • Math for Public Works Workshop                                                             |              | 0.3   |
| • Public Works Supervisor Program – Level 1 Emerging Leader                                  |              | 0.6   |

### **Saskatchewan Safety Council**

|                                                         |               |     |
|---------------------------------------------------------|---------------|-----|
| • Powered Mobile Equipment Operator                     | various       | 1.3 |
| • Saskatchewan Safety Council Industrial Safety Seminar | various       | 1.1 |
| • Ground Disturbance Level 2                            |               | 0.8 |
| • 45 <sup>th</sup> Annual Industrial Safety Seminar     |               | 1.0 |
| • Skid Smart Collision Avoidance                        |               | 0.7 |
| • Industrial Safety Seminar                             | Feb 4-6, 2019 | 1.2 |

### **Saskatchewan Urban Municipalities Association (SUMA)**

|                                                                        |             |     |
|------------------------------------------------------------------------|-------------|-----|
| • Strategic & Financial Planning for Municipalities<br>SUMA Convention | Jan 1, 2015 | 0.5 |
|------------------------------------------------------------------------|-------------|-----|

### **Southeast College** <http://www.southeastcollege.org>

|                      |  |     |
|----------------------|--|-----|
| • H2S Alive – Enform |  | 0.6 |
|----------------------|--|-----|

### **SUFFA CISM / SASK EMFS / SAFC**

|                             |                 |     |
|-----------------------------|-----------------|-----|
| • Group Crisis Intervention | Mar 19-20, 2016 | 1.4 |
|-----------------------------|-----------------|-----|

### **Tagwood Enterprizes Ltd.**

|                             |              |     |
|-----------------------------|--------------|-----|
| • Mobile Equipment Training | May 22, 2015 | 0.7 |
|-----------------------------|--------------|-----|

### **Technical Training**

|                                                      |             |     |
|------------------------------------------------------|-------------|-----|
| • Water Innovation and Knowledge Transfer Conference | Nov 5, 2020 | 0.3 |
|------------------------------------------------------|-------------|-----|

## Trans-Care Rescue Ltd.

|                                  |                  |     |
|----------------------------------|------------------|-----|
| • Basic Fire Fighting Techniques | June 27,28, 2015 | 1.4 |
|----------------------------------|------------------|-----|

## Trinity Safety & Training <http://www.trinitysafety.ca/>

|             |  |     |
|-------------|--|-----|
| • H2S Alive |  | 0.7 |
|-------------|--|-----|

## Water Environment Federation <http://www.wef.org/>

|                                                 |             |     |
|-------------------------------------------------|-------------|-----|
| • Fat, Oil and Grease (FOG) Management Workshop | Mar 8, 2010 | 0.7 |
|-------------------------------------------------|-------------|-----|

## Water Security Agency (WSA) <https://www.wsask.ca>

|                                                                |              |     |
|----------------------------------------------------------------|--------------|-----|
| • Safety 101–Understanding Your Legal Responsibilities in OH&S | Apr 24, 2018 | 0.7 |
|----------------------------------------------------------------|--------------|-----|

## Western Canada Water (WCW) <http://www.wcwwa.ca/>

|                                                                                        |                 |     |
|----------------------------------------------------------------------------------------|-----------------|-----|
| <b>WCWWA Annual Conference</b>                                                         |                 |     |
| Pre-Conference Workshops, Saskatoon                                                    | Oct 16, 2005    |     |
| • Filter Surveillance, AWI (Operations)                                                |                 | 0.7 |
| • Combined Sewer/Storm Sewer Overflows (Technical)                                     |                 | 0.6 |
| • Micro-Biology (Technical)                                                            |                 | 0.6 |
| WCWWA – AWWA Section / SIAST                                                           |                 |     |
| • Cross Connection Control Specialist                                                  | Feb 18, 2005    | 3.5 |
| • Cross Connection Control – Recertification                                           | March 2005      | 1.0 |
| Western Canada Section AWWA: SIAST / Kelsey Campus / Other                             |                 |     |
| • Cross Connection Control Specialist                                                  |                 | 2.8 |
| • Cross Connection Control Awareness                                                   |                 | 0.6 |
| • Challenges in Monitoring Water Quality in the Distribution System, Edmonton, AB      | Oct 23, 2007    | 0.5 |
| • Coagulation & Flocculation Theory / High Rate Clarification Techniques, Winnipeg, MB | Sept 24, 2006   | 0.6 |
| <b>WCWWA Workshops, 2008</b>                                                           |                 |     |
| • Source Water Protection Specialty, Edmonton AB                                       | Oct. 15,16, '08 | 1.2 |
| • Source Control – Best Practices, Edmonton, AB                                        | Nov. 19, 2008   | 0.5 |
| • Micro- & Ultra-Filtration Membrane Tech                                              | TBA             | 1.5 |
| • Disinfection: Know Your Enemy and Your Weapons, Calgary                              | Feb. 5, 2008    | 0.5 |
| WCWWA Annual Conference September 23, 2008, Regina, SK                                 |                 |     |
| • Planning for the Pandemic                                                            |                 | 0.3 |
| • Asset Management – A Prerequisite for Infrastructure Stability                       |                 | 0.3 |
| • Cross Connection Control                                                             |                 | 0.3 |
| • Emerging Contaminants – Issues for Water Supply & Treatment                          |                 | 0.3 |
| <b>WCWWA Workshops, 2009</b>                                                           |                 |     |
| • Small System Nutrient Removal, Winnipeg MB                                           | Jan 15,16,2009  | 1.0 |
| • Odour control in Wastewater Systems, Red Deer Lodge                                  | Jan 28, 2009    | 0.5 |
| <b>WCW Annual Conference, Winnipeg, MB, September 2009</b>                             |                 |     |
| • Where Has All Our Water Gone, Al Turner Consulting                                   |                 | 0.3 |
| • Understanding Contaminants of Emerging Concern                                       |                 | 0.3 |
| • Greenhouse Gases and Carbon Footprinting                                             |                 | 0.3 |
| • Utility Management Workshop                                                          |                 | 0.6 |
| • Assessing & Addressing Challenging Hydraulic Issue in Wastewater                     |                 | 0.3 |
| • The Future Art of Stormwater                                                         |                 | 0.5 |
| <b>WCWWA Workshops, 2010</b>                                                           |                 |     |
| • Membrane Technologies for Water Treatment, Saskatoon                                 | Jan 26, 2010    | 0.5 |
| • Wastewater Pumping Station and Force-main Systems Design,                            | Jan 21 & 22,    |     |

|                                                                                                         |                 |     |
|---------------------------------------------------------------------------------------------------------|-----------------|-----|
| Operation and Maintenance, Winnipeg, MB                                                                 | 2010            | 1.2 |
| <b>WCW Conference Calgary, AB, September 21 – 24, 2010</b>                                              |                 |     |
| • Small System Nutrient Removal – Saskatoon                                                             | Apr 15&16, 2010 | 1.2 |
| • Membrane Technologies for Water & Wastewater Treatment                                                |                 | 0.6 |
| • On-Site Hypochlorite Generation as a Chemical Disinfection Alternative – Red Deer Lodge, Red Deer, AB | June 8, 2010    | 0.6 |
| • Tertiary Filtration Workshop                                                                          |                 | 0.3 |
| • SCADA Fundamentals                                                                                    |                 | 0.3 |
| • River Health (Wastewater Effluent – Bow River)                                                        |                 | 0.3 |
| • Regional Water Systems – Design and Operation Basics                                                  |                 | 0.3 |
| • Linking Investment to Service Levels – Application of Asset Management Planning                       |                 | 0.3 |
| • Watershed and Stormwater Management                                                                   |                 | 0.3 |
| • Cross Connection Control Trough Awareness & Backflow Prevention Workshop                              |                 | 0.3 |
| • Project Management for Young Professionals                                                            |                 | 0.3 |
| <b>WCW Workshops, 2011</b>                                                                              |                 |     |
| • Source Control – Best Practices, Saskatoon                                                            | Jan 25, 2011    | 0.6 |
| • Problem Solving Water & Wastewater Infrastructures – Edmonton                                         | Apr 19, 2011    | 0.5 |
| • Disinfection By-Products, Saskatoon                                                                   | May 18, 2011    | 0.6 |
| • AWWA Web Workshop – Pump Operations and Maintenance                                                   | various         | 0.4 |
| <b>WCW Conference Workshops, 2011</b>                                                                   |                 |     |
| • W1 – Asset Management Workshop                                                                        | Sep 21-23, 2011 | 0.3 |
| • W2 – Reservoir Water Quality Management                                                               | Sep 21-23, 2011 | 0.3 |
| • W3 – Source Water Protection                                                                          | Sep 21-23, 2011 | 0.3 |
| • W4 – Project Management                                                                               | Sep 21-23, 2011 | 0.3 |
| • W5 – Watermain Relining                                                                               | Sep 21-23, 2011 | 0.3 |
| • W6 – Contract Law for Engineers                                                                       | Sep 21-23, 2011 | 0.3 |
| • Laboratory Analysis and Compliance Monitoring, Red Deer, AB                                           | Nov. 8, 2011    | 0.5 |
| • Issues/Trends in Industrial Wastewater Treatment, Without Tour                                        |                 | 0.8 |
| • With Tour – Winnipeg, MB                                                                              | Feb. 7-8, 2012  | 1.0 |
| <b>WCW Workshops, 2012</b>                                                                              |                 |     |
| • Disinfection Workshop                                                                                 |                 | 0.6 |
| • Well Maintenance Workshop – Regina                                                                    | June 19, 2012   | 0.6 |
| • Municipal Water Reuse – Challenges and Opportunity                                                    |                 | 0.6 |
| <b>WCW Conference Workshops, 2012</b>                                                                   |                 |     |
| • Water Conservation Guidelines, J. Fisher & A. Turner                                                  | Sep 19-21, 2012 | 0.3 |
| • Water Reuse in Western Canada, E. Murphy, CH2M Hill                                                   | Sep 19-21, 2012 | 0.3 |
| • Leadership in Project Management, T. Carson & Associates Ltd.                                         | Sep 19-21, 2012 | 0.3 |
| • Conventional Water Treatment, E. Murphy, CH2M Hill                                                    | Sep 19-21, 2012 | 0.3 |
| • Introduction to Social Media, R. Miranda, Digital Relay Inc.                                          | Sep 19-21, 2012 | 0.3 |
| <b>WCW Workshops, 2013</b>                                                                              |                 |     |
| • Membrane Theory & Maintenance, Saskatoon                                                              | Jan17, 2013     | 0.6 |
| • Effective Operations of Water & Wastewater Systems, Regina                                            | Mar 6, 2013     | 0.4 |
| • Water Treatment Disinfection Workshop, Saskatoon                                                      | Oct 2, 2013     | 0.6 |
| • Asset Management & Alternative Project Delivery for Water & Wastewater Systems                        | Nov 2013        | 0.6 |
| <b>WCW Conference Workshops, 2013</b>                                                                   |                 |     |
| • Leadership Concerns Workshop (LeLacheur)                                                              | Sep 2013        | 0.3 |
| • Drinking Water Safety Plan Information Session (Beier)                                                | Sep 2013        | 0.3 |
| • Biosolids Management: Understanding Requirements and Options (Mumby)                                  | Sep 2013        | 0.3 |
| • Green Building: Clear Savings Potential (Hawkesworth)                                                 | Sep 2013        | 0.3 |
| • Managing Greenhouse Gas In Wastewater Treatment Plants(Yan)                                           | Sep 2013        | 0.3 |
| • Source Control Strategies That Work (Johnston, Hunter)                                                | Sep 2013        | 0.3 |
| <b>WCW Workshops, 2014</b>                                                                              |                 |     |

|                                                                                                              |                 |     |
|--------------------------------------------------------------------------------------------------------------|-----------------|-----|
| • Municipal Wastewater: Basics, Treatment, Regulations & Case Studies                                        | May 2014        | 0.6 |
| • Surface Water Treatment Workshop                                                                           | Feb 2014        | 0.6 |
| • Small System Nutrient Removal Seminar                                                                      | Sep. 9/14       | 0.7 |
| • Surface Water Quality and Watershed Protection                                                             | Nov 2014        | 0.5 |
| <b>WCW Conference Workshops, 2014</b>                                                                        |                 |     |
| • Disinfection of Drinking Water                                                                             | Sept 2014       | 0.7 |
| • Biological Nutrient Removal (BNR)                                                                          | Sept 2014       | 0.3 |
| • Municipal Wastewater-Federal Regulations and Toxicity Testing                                              | Sept 2014       | 0.3 |
| • Building a Robust Capital Investment Plan                                                                  | Sept 2014       | 0.3 |
| <b>WCW Workshops, 2015</b>                                                                                   |                 |     |
| • Asset Management Workshop                                                                                  | Mar 2015        | 0.7 |
| • Sewage Lagoon Treatment for Wastewater                                                                     | May 14, 2015    | 0.5 |
| <b>WCW Conference Workshops, 2016</b>                                                                        |                 |     |
| • Process Modeling Techniques for Optimizing Wastewater Treatment Plant Performance                          | Oct 4, 2016     | 0.6 |
| • Increasing Communication and Collaboration Effectiveness: Bridging the Gap Between Engineers and Operators | Oct 4, 2016     | 0.3 |
| • Small Water/Wastewater Treatment Systems – Design and Operational Challenges                               | Oct 4, 2016     | 0.3 |
| • Variable Speed Pumping: Better than Constant Speed Pumping?                                                | Oct 4, 2016     | 0.3 |
| • Nutrient Recovery – Productive Solution of a Common Problem                                                | Oct 4, 2016     | 0.3 |
| • Chemical Feed – Practical Applications                                                                     | Oct 4, 2016     | 0.3 |
| • W1 – Where Has All Our Water Gone? Part 2                                                                  | Sept 15-18 2015 | 0.3 |
| • W2 – Biosolids                                                                                             | Sept 15-18 2015 | 0.3 |
| • W3 – Membrane Optimization                                                                                 | Sept 15-18 2015 | 0.3 |
| • W4 – Pumps & Force Mains                                                                                   | Sept 15-18 2015 | 0.3 |
| • W5 – Public Consultation Process                                                                           | Sept 15-18 2015 | 0.3 |
| • W6 – Chemical Feed Pump Systems                                                                            | Sept 15-18 2015 | 0.3 |
| • Disinfection By Product Management                                                                         | Mar 2, 2016     | 0.7 |
| • Automatic Metering Systems                                                                                 | Apr 20 2016     | 0.7 |
| • Canadian Biosolids and Residuals Conference 2016                                                           | May 18 -19 2016 | 0.9 |
| • Wastewater Management Seminar & Tradeshow                                                                  | Sept 21 2016    | 0.7 |
| • Training or Tragedy: The Importance of Operator Training                                                   | June 20, 2017   | 0.7 |
| <b>WCW Conference Workshops, 2017</b>                                                                        |                 |     |
| • Leadership: It Starts with the Leader                                                                      | Sep 18-22, 2017 | 0.3 |
| <b>WCW Conference Workshops, 2018</b>                                                                        |                 |     |
| • Drone Technology                                                                                           | Sept 18, 2018   | 0.3 |
| • Fundamentals of Contract Law and Administration                                                            | Sept 18, 2018   | 0.3 |
| • Odour Control                                                                                              | Sept 18, 2018   | 0.3 |
| • Sewer Inspection And Asset Management Principles                                                           | Sept 18, 2018   | 0.3 |
| • Well Development and Operations                                                                            | Sept 18, 2018   | 0.3 |
| <b>WCW General Seminars</b>                                                                                  |                 |     |
| • Disinfection By-Products, Calgary, Alberta                                                                 | Nov 9, 2010     | 0.6 |
| • Disinfection of Pipelines and Storage Facilities, AWWA                                                     | various         | 0.3 |
| • Advanced Filter Optimization and Surveillance                                                              | Sept 19, 2017   | 0.6 |
| • Automatic Metering Systems                                                                                 | Sept 19, 2017   | 0.4 |
| • Lift Station Pumping Essentials                                                                            | Sept 19, 2017   | 0.3 |
| • Communication & Conflict                                                                                   |                 | 0.7 |
| • Optimizing Municipal Lagoons                                                                               |                 | 0.5 |
| • Source Water Protection (Webinar Series)                                                                   |                 | 0.3 |
| • Your Lead Sampling Program (Webinar Series)                                                                |                 | 0.3 |
| • Change Management & Change Leadership (Webinar Series)                                                     |                 | 0.3 |
| • Dealing with Customer Complaints (Webinar Series)                                                          |                 | 0.3 |

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|-------------------------------------------------|--------|-----|
| • Art of Collaboration                          | online | 0.3 |
| • Emergency Preparedness & Response             |        | 0.3 |
| • Activated Sludge BNR Process Control Workshop |        | 0.6 |