

**Alberta Environment  
Water and Wastewater Operator  
Certification Program**

**Continuing Education Unit  
Evaluation and Credit  
(Non-current training)  
Training approved prior is 2009**

- 
- 
- 
- 

• ALBERTA ENVIRONMENT  
PREVIOUSLY APPROVED

***CEUs/TRAINING***

-

**ALBERTA ENVIRONMENT  
RECOGNIZED CEU's/TRAINING  
Previously APPROVED**

**360Training.Com**

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

6-S Safety Services Confined Space and Excavation and Trenching	0.6
---	-----

Alberta Motor Transport Association – Safety Audit	0.6
--	-----

**Alberta Water & Wastewater Operators Association (AWWOA)**

Chlorination Workshop Prior to 2003	3.0
Collection & Distribution Seminar	2.0
Corrosion Control for Operators	1.5
Cross Connection Control Seminar	1.5
Excel Spreadsheet Training for Operators (1.5 day)	0.9
Fluoride Seminar	0.5
Hydrant & Valve Seminar prior to 1995	1.0
Introduction to W/WW Operations (the Basic Course)	3.0
Lagoon Seminar	1.0
Level I ATAP Water Treatment Certification Preparation Course	2.4
Level II Certification Preparation Wastewater Course	1.5
Level II Certification Preparation Water Course	1.5
Membrane Systems; Operation & Maintenance (Workshop B) May 2007	0.6
Membrane Systems; Technical Design (Workshop A) May 2007	0.6
Management & Supervision for Operators 1984/85	2.0
Management & Supervision for Operators 1986 – 2001	3.0
RBC Homestudy Course	2.0
Safety Programs for Operators after 1984	2.0
Small Systems Seminar	2.5
Southern Alberta Municipal Water Seminar	0.3
Water & Wastewater Laboratory	2.0 each
Water Distribution & Wastewater Collection Course	1.2
Water Treatment Membrane Workshop May 2007	0.3
Water Treatment Operations	3.0
Water Treatment Operators A (Introductory)	3.0
Water Treatment Operators B (Intermediate)	3.0
Operators <i>instructing</i> relevant, approved courses/training shall be awarded CEUs based on the CEUs of the course plus 1.0 CEU. This can only be used once for delivering the <i>same course</i> . As well, CEUs used for renewal of a certificate are subject to cyclical and ½ CEUs renewal rules	

**Alberta Environment**

Drinking Water & Public Health: Provincial Stakeholder Discussion & Information Forums	0.3
Electronic Reporting Workshop (October 2006 – Forestburg)	0.0
Full Cost Accounting Reporting Workshop 2006 or 2007	0.5
Regional Services, Central Region – Municipal Water & Wastewater Workshop (Feb 2004)	0.5

**Alberta Construction Safety Association (ACSA)**

AB OHS Code Review (2009)	0.3
Construction Safety Training System	0.4
Construction Safety Training System (CSTS)	0.3
Fall Protection Awareness	0.6
Flag Person Training	0.2
Safe Trenching	0.6
Supervisor Training in Accident Red.Tech. (START)	0.6

**Alberta Infrastructure & Transportation**

Alberta Infrastructure & Transportation Water Treatment Practices 2006	0.3
Alberta Infrastructure & Transportation AB Road builders & Heavy Construction Assoc., APWA 2006 Conference	0.3
Workshop at Conference:	
Crisis Communication	0.5
Trends in Water & Sewer	0.5
Winter Maintenance Training for Equipment Operators	0.5

AMHSA Healthy & Safety Management Systems (Safety Basics)	0.6
---	-----

Alberta Forest Products in Health & Safety	1.0
--	-----

All Out Group, Scott Specialist Level Maintenance Course	0.3
--	-----

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

Associated Engineering Water Supply & Treatment Technology Transfer Conference September 2007	0.8
---	-----

**ATAP Infrastructure Management Ltd.**

Confined Space Entry & Safety	0.6
Filter Maintenance & Surveillance	0.6
Gas Chlorination (must attend both days)	1.2
Hypo-Chlorination & Feeder Maintenance	0.6
Water Main Swabbing	0.6
Water & Wastewater Workers Safety	0.6
Wastewater Collection Maintenance	0.6

AUMA Municipal Water Conservation Seminar 2008	0.6
--	-----

**BC Water & Waste**

BC Water and Waste Course	2.5
BC Water and Waste Cross Connection	2.5
BC Water and Waste Seminar	1.5

Canadian Standards Association – Effective Solutions Using Root Cause Analysis Techniques (April 2007)	1.0
--	-----

**The Canadian Institute**

A Complete Guide to Facilities Upgrading (Workshop)	0.5
Best Practices for Drinking Water in the Athabasca Region	1.0
Best Practices for Water Treatment in Alberta	1.0
Essential Practices for Effective Workshop (or given by Golder & Associates as a separate Workshop)	0.5
Public-Private Partnerships February 2007	0.5
Water Treatment and Water Distribution in Alberta	1.2
Western Water Treatment & Distribution Strategies for Sustainable Water Management 2006	0.6

Clarity Multimedia – Personal Protective Equipment (PPE)	0.0
Clarity Multimedia – WHMIS Your Safety Net	0.2

Colorado School of Mines – Microtunneling Short Course (for WD and WWC Operators only)	2.0
--	-----

ConAgra Foods Ltd. Key Concepts of Safety	1.0
---	-----

Crosby Rigging Course 2008	0.3
----------------------------	-----

CUPE – Face to Face Communication	0.6
-----------------------------------	-----

Dalhousie University Certificate in Water Treatment Operations (must complete all)	7.8
--	-----

Drouin Learning Solutions Communication in Conflict – Skills for Leaders	1.4
--	-----

**Edmonton Waste Management Centre of Excellence**

Advanced Technologies for Water Reuse	0.5
Biosolids from Waste to Resource	0.3

Construction & Demolition Waste Course	0.0
Greenhouse Gas Regulations & Quantifications: Emerging Solid Waste/Wastewater Perspectives	0.0
Synthetic Fuels from Waste	0.0
The Big Toss: Options for Food Waste Management	0.3
EK Pass Safe Tractor Backhoe Operator Training Program	3.0
EMCO (March 2009) Waterworks Conference	0.2
Emergency Vehicle Technician – Design & Performance Standards & Preventive Maintenance of Fire Apparatus	0.5
<b>EPIC</b>	
Maintaining and Rehabilitating Water Mains Design-Build Fundamentals Workshop	1.2
Membrane Separations to Cut Water Treatment Costs	1.8
Municipal Wastewater Treatment Testing and Monitoring	1.8
Water Chemistry	0.6
EAPUOC 2009 Safety Seminar	0.5
ESPS Electrical Safety Program Solution Inc. – ½ day workshop Electrical Safety Training – Arc Flash & Shock for non-electrical workers	0.3
ESPS Electrical Safety Program Solution Inc. – 1day workshop Electrical Safety Training – Arc Flash & Shock for electrical workers	0.6
ESPS Electrical Safety Program Solution Inc. – 2 day workshop Electrical Safety Training – Arc Flash & Shock for electrical workers	1.2
ESPS Electrical Safety Program Solution Inc. – Online Electrical Safety Training System demo	0.0
Fairview College Water & Wastewater Program 1992	25.0
First Aid – Up to September 30, 2005 (Current) one time only	2.0
GE 2008 Drinking Water Users Group Conference	0.5
George Washington University Managing Projects in Organizations (Medicine Hat)	1.8
Gowlings – Alberta Health & Safety Due Diligence for Managers and Supervisors	1.2
Global Innovative Campus – Industrial Wastewater Treatment Methods	1.2
City of Grande Prairie Health, Wellness & Safety Program 2002	0.6
<b>Grant McEwen Community College (GMCC)</b>	
Coaching for Results (SUPR 0923)	0.3
Supervising for Results	4.0
Harvest Hills Gas Coop (ProTrain Fire & Safety Training) Ground Disturbance Levels I and II	0.6
Health Canada Federal Drinking Water 1 <sup>st</sup> Annual Workshop (Feb 05)	1.2
Health Canada 2 <sup>nd</sup> Annual Federal Drinking Water Providers Workshop (Nov 05)	1.2
Health Canada 4 <sup>th</sup> Annual Federal Drinking Water Providers Workshop (Feb 08)	0.6
Gorman-Rupp Pump (Nevada) 2008	0.6
Ken Blanchard Companies – Situational Leadership II	1.2
Learning Inquiry Centre – Crucial Conversations	0.5
Leeson Canada Industrial Group Intro to Leeson AC Drives	0.6
<b>Leavitt Safety Training</b>	
Aerial Platform Operator Safety Training	0.5
Operator Safety: Sit-Down Counterbalanced Products	0.5
Skid Steer Loader Instructor Safety Training	0.0
Skid Steer Loader Operator Safety Training	0.0

**Lethbridge Community College (LCC)**

Accident/Incident Investigation	0.3
Backhoe/Loader Operator Safety (for WD or WWC Operators Only)	0.6
Basic Electrical Safety	0.6
Confined Space & Rescue	0.6
Construction Safety Training Systems (2 hr)	0.2
Construction Safety Training Systems (4 hr)	0.4
Emergency Procedures	0.6
Fall Protection	0.6
Fluoride Seminar	0.2
Formal Workplace Inspection	0.3
Hazard Assessment & Control	0.6
Health & Safety Program Development Course	1.0
Inside Worker Safety	0.6
Joint Health & Safety Committee	0.3
Mactech Distance Education (Bigstone Cree Nation Education Authority) Computerized Business Management	2.0
Management for Supervisory Personnel	3.0
Overview of OH & S Act, Regs, & Codes	0.6
Power/Machine Tool Safety Training	0.3
Project Management Certificate Program (also Mount Royal College)	5.0
Spill Prevention & Control	0.6
Trenching Safety	0.3

Malaspina College Prior to 1983	90.0
Malaspina College After 1983	82.0

Manitoba Schools (each worth)	3.0
Manitoba Seminar	1.5

Martech Marketing – Managing the Effects of Air in Pipe System Design & Maintenance	0.3
---	-----

Maverick Institute for Aquatera Utilities – On the Job Peer Mentoring	0.3
---	-----

**City of Medicine Hat**

2 day First Aid	1.2
Achievement Planning Conversations	0.2
Electrical Power System Awareness & Safety (Magna Eng.)	0.6
Emergency First Aid (1 day)	0.6
Environmental Health & Safety Committee (Joint work-site Risk Management) for Environment	0.3
Environmental Risk Management	0.3
Hazard & Assessment Control	0.3
High Voltage Safety for Non-Electrical Trades	0.6
Incident Investigation – ½ day	0.3
Managing Projects in Today's Organizations (3 days)	1.0
OH & S Management Skills (Leadership in Safety Excellence)	0.6
Project Management (one day) Cannot get CEUs if completed Managing Projects 3 day	0.3

**Medicine Hat Community College**

MHCC Leadership Program	7.0
Water Meter Course	0.6

Mequipco – Organics in Drinking Water February 2007	0.4
---	-----

Michigan State Management Course	6.0
----------------------------------	-----

**Military Courses**

DND Supervision & Leadership Course (Jan/Feb 05)	3.0
DND 1 day Math Refresher	0.6
Marine Emergency Duties Training Course	0.3
P107 Informal Discussion	0.0
Primary Leadership Qualification	5.0

WFE (WSPOL) Tech QL 3 (TQ3)	53.0
WFE (WSPOL) Tech QL 5 (TQ5 or TQ5A)	33.0
WFE (WSPOL) Tech QL 6A (TQ6A)	25.0
WFE (WSPOL) Tech QL 7 (TQ7) )	56.0

Millwright (90 hour course NAIT)	3.0
----------------------------------	-----

### Miscellaneous Training

6 <sup>th</sup> National Conference on Drinking Water	1.0
Aircraft Engineers Technology	27.0
ALMS 8 <sup>th</sup> Annual Workshop	1.2
Maintenance Management Seminar (Paul Juul & Associates for the U of A)	2.4
Newfoundland Millwright	2.0
North American Society for Trenchless Technology Video Conference	0.3
Roadway Safety Training Institute, Traffic Control Course	1.2
Ultimate Supervisors Workshop	1.0
Water Well Drillers Course	10.0
Zee Weed Operator Training Program Pre-Commissioning Course	3.0
Zenger Miller Frontline Leadership	6.4

### Northern Alberta Institute of Technology (NAIT)

Administrative Control	4.2
AENV Laboratory Water Sampling SRE180	1.2
Analyzing Effectiveness & Decision Making (Level III) (for EPCOR/Edmonton)	2.4
Basic Drafting, Sketching & Blueprint Reading EDD402	3.0
Business Practices RSB319	2.0
Communication for Foreman (for EPCOR/Edmonton)	3.6
Construction & Estimating CON321	2.0
Foremanship Level II, 8 day (NAIT for City of Edmonton)	4.0
Foremanship Level II <i>Compressed</i> (NAIT for the City of Edmonton)	2.0
Heat & Electric Physics ASP355 & Fluid Physics ASP 435 (completion of BOTH)	3.5
Industrial Electric I IE503	4.0
Industrial Electric II IE603	4.0
Instrument Mechanic Program	45.0
Instrumentation (for EPCOR/Edmonton)	6.0
Instrumentation Technology <i>Individual Courses as follows:</i>	
▪ Industrial Microcomputers 1ET340	4.0
▪ PC Repair/Upgrade CNT495	4.0
▪ Basic Electrical EET 130B	4.0
▪ Instrumentation EET232	4.0
▪ General Chemistry CHS 205	10.0
▪ Technical Mathematics ASM147	8.0
Machine Shop IP302	3.0
Math for Foremen (for EPCOR/Edmonton)	1.5
Measurement & Control (for EPCOR/Edmonton)	9.5
Mechanics Physics ASP235	3.5
Millwright Updating (Industrial Main. Multiskilling Program Millwright Strand) SMM440 (for EPCOR/Edmonton)	4.5
Multiskilling/Instrumentation Strand	6.0
Pneumatic Instrumentation SEE105	6.0
Preventative Maintenance HE321	2.0
Process Analyzers I (for EPCOR/Edmonton)	6.0
Process Analyzers II (for EPCOR/Edmonton)	6.0
Property of Materials MT604	3.6
Reading & Writing (for EPCOR/Edmonton)	1.5
Resources Engineering Technology	30.0
Role of the Foremen (for EPCOR/Edmonton)	3.0
Technical Math ASM119	5.0
Technical Math ASM220	5.0
Water Analysis for Operators January 2004SRE135	1.0

### NAIT Water & Wastewater Technician Courses – Outreach

Basic Sciences WWW100	10.0
First Aid WWW221	1.0
Technical Management & Supervision WWW206	5.0

Water & Wastewater Laboratory Analysis (New 2005)	3.6
Water & Wastewater Laboratory Analysis I	2.0
*subject to AENV cyclical training rule	
NASSCO Inc. Pipeline Assessment and Certification Program (applies to WD and WWC operators only)	1.0
NASSCO Inc. Pipeline Assessment & Certification Program (PACP) updated 2011	1.2
North American Society for Trenchless Technology Good Practices Seminar	0.5
North American Society for Trenchless Technology NASTT Laterals Good Practices	1.2
North Safety North Respirator Train the Trainer Course	0.2
<b>Northern Lakes College</b>	
Northern Lakes College/Kestrel Resources Hazard Assessment & Control	0.3
Northern Lakes College/Kestrel Resources Incident Reporting & Investigation	0.3
Norwood Waterworks Training Sessions (March 2010 Calgary and Edmonton)	0.3
Nova Scotia Community College Environmental Engineering Technology – Water Resources – 2 years Post Secondary	
NTN Bearing Corporation of Canada – Bearing Maintenance	0.8
Paradise Canyon Bioengineering Workshop (October 2006)	0.6
Petroleum Industry Training Service Spill Responder	1.0
Polar Bear Corporate Education Solutions – Managing Projects	0.9
Polar Bear Project Management Professional – Intro. To Project Management	0.9
Polar Bear Project 2003 Level I	1.8
Prevention Excavation Damage: What You Can't See Can Hurt You – Satellite Videoconference	0.4
Progressive Sealing Inc./AW Chesterton Co – Mechanical Seals & Packing	0.6
PSI Pipeline Supply Int'l. Inc – Mechanical Thrust Restraint – Installation and application methods for buried pipelines and casing installations – For WD and WWC operators only	0.3
<b>Priority Solutions</b>	
Emergency Initial Spill Response	0.3
Environmental First Response & Incident Management	0.4
Environmental Initial Response	0.3
Incident/Accident Investigation	0.6
Radiodetection Canada Ltd. ABC to XYZ of Locating Buried Pipes & Cables/Advanced Pipe & Cable Locating Seminar	0.6
Radiodetection 2009 for the City of Medicine Hat	0.3
Ray Kenny Environmental/Alberta Pacific Activated Sludge Operations	1.8
Red Deer/WPC Solutions Nutrient Removal Training Seminar (2006)	0.5
<b>Red Deer College</b>	
Applied Municipal Engineering	5.0
Biology 218-3	2.3
Geography 381-3	1.0
Instrument Technician	45.0
Management Seminars for Supervisors Program	3.0
The Write Course	1.5
Rockhurst University Continuing Education Centre – Essentials of Communication with Tact & Finesse	1.2
Rockhurst University Continuing Education – Assertiveness Skills for Manager & Supervisors	0.5
<b>RUSA</b>	
Annual Conference 2006 and 2007 and 2009	1.0
RUSA/AWWOA Small Water Treatment Workshop (2005)	0.4
RUSA/AWWOA Basic Pump Theory/Seals & Packing (2006)	0.4



**Sacramento (Homestudy) – CSU**

**Please note, California State University Sacramento Course Completion Certificate does NOT necessarily reflect the CEU amount assigned to them. Several courses have been reviewed and CEUs awarded for less than the published amount.**

Utility Management prior to 2003	4.5
----------------------------------	-----

**SAIT**

Advanced Environmental Considerations ENVS470	4.5
Analytical Chemistry CHEM275	2.2
Analytical Laboratory Skills CHEM276	6.0
Applied Analytical Instrumentation I INST390	3.0
Applied Analytical Instrumentation II INST395	8.8
Applied Industrial Organic Chemistry CHEM330	1.4
Applied Management Certificate Program	18.0
Applied Microbiology Techniques MBIO375	2.4
Basic Laboratory Techniques CHEM270	18.0
Biology/Field Ecology BIOLO201	1.5
Chemistry 210	6.4
Chemistry and the Environment CHEM242	7.5
Chemical Instrumentation INST290	3.5
Chemical Instrumentation II INST295	3.3
Chemical Safety SAFE280	2.8
Control Logix 1 – CMPC 204	3.5
Data Interpretation DATA201	0.0
Ecosystems & Environmental Impact Assessment ENVS236	3.0
Engineering Graphics Technology (Drafting)	90.0
Engineering Drafting & Design	90.0
Environmental Chemistry I ENVS260	4.5
Environmental Chemistry II ENVS360	3.0
Environmental Considerations ENVS402	4.5
Environmental Law & Regulation ENVS229	4.5
Environmental Microbiology ENVS375	6.4
Environmental Sampling & Analysis ENVS242	5.0
Environmental Science/Ecology ENVS320	2.3
Environmental Technology Program	90.0
Field Safety ENVS250	2.8
General Chemistry (CHEM240)	6.0
Geology GEOL230	6.0
Heavy Equipment Technician	45.0
Hydrology/Hydrogeology GEOL235	6.0
Industrial Chemical Testing CHEM350	1.0
Industrial Instrumentation Section 1	15.0
Industrial Process & Control – Environmental ENVS219	0.0
Introduction to Chemo metric Application CHEM360	1.5
Introduction to Environmental Organic Chemistry ENVS245	4.5
Inorganic Chemistry CHEM245	3.0
Legal Issues in Public Works	0.5
Master Design Certificate	0.0
Organic Chemistry CHEM235	0.0
PLC Control Operations <i>*Note for Level III Certification only 10.0 CEUs would be applicable for computer related training For Level IV Certification 20.0 CEUs would be applicable for computer related training.</i>	20.0
Process Operations Course	45.0
Quality Assurance and Quality Control QUAL378	2.0
Recreation Facility Operations & Maintenance	25.0
SAIT/NAIT Millwright (Journeyman Ticket)	13.5
Site Reclamation ENVS246	0.0
Solid Waste Management ENVS325	4.5
Special Boiler Operators Course (PWEN 236)	2.0
Telecommunications Technology	45.0
Thermodynamics THRM358	3.0
Unit Chemical Process Operations CHEM345	1.5
Water Resources I (CIVL250)	4.5
Water Treatment ENVS348	3.0
Water/Wastewater Treatment Lab ENVS343	6.0
Water/Wastewater Treatment ENVS342	4.5

Welding Engineering Technology	45.0
--------------------------------	------

### Saskatchewan Courses

Basic Plant Operations	1.2
Chemical Solution Feed Pumps	0.6
Chlorine Gas Systems	2.0
Distribution Pumps	1.2
Distribution Systems O & M	0.6
Iron and Manganese Removal	1.2
Lagoon Operation	0.5
Well Operation	0.6
SWWA Water Efficiency from Plumbing To Implementation – November 2007	0.3

Scaffold Industry Association – Basic Scaffold Competency & Inspection	0.9
--	-----

Selkirk College Management Skills for Supervisors	7.0
---	-----

Singer Valve Inc. – Automatic Control Valve Application & Operation Training (October 2004)	1.2
---	-----

Skillpath Seminar – Dealing Effectively with Unacceptable Employee Behaviour	0.5
Skillpath Seminar – How to become a better communicator	0.5
Skillpath Seminar – Excelling as a First Time Manager or Supervisor	0.6
Skillpath Seminar – Managing Multiple Projects, Objectives & Deadlines	0.5

Spartan Controls – Fundamentals of Control	0.3
--	-----

Spectrum Safety – Basic Fire Extinguisher Training	0.3
--	-----

### Strathcona County Training

Basic Supervisory Development	1.2
Building Common Ground	0.6
Emergency Operations Centre Level I	0.3
Emergency Response Plan and Exercise Design & Delivery	0.5
Incident Command Systems 100	0.3
Leader Development – Putting Theory into Practice	1.8
Managing Multiple Priorities	0.6
Supervisory Development Skills I – Leadership Roles	0.3
Supervisory Development Skills II – Priority Management	0.3
Supervisory Development Skills III – Working in Political Environment	0.3
Supervisory Development Skills IV – Put it in Writing	0.3

StormCon Surface Water Quality Conference 2010	0.6
--	-----

Summit Valve & Controls – Introduction to Automatic Controls & Valves	0.3
---	-----

### Syncrude Internal Training

Air Brake Q—Endorsement	0.0
Analytical Troubleshooting KT	1.0
Chemical Feed Training	0.4
Chlorine Safety Course	0.2
Chlorine Safety Course (Field)	0.0
Common Fall Protection	0.6
Electrical Switching	0.6
Emergency Response Awareness	0.3
FFTS-S200	0.0
FFTS-S300	0.0
FFTS-S400	0.0
FFTS-S500	0.0
Filter Surveillance Course	1.2
Forklift Operator	0.6
Gas Detection Course	0.3
Overhead Crane	0.4
Reliability Centered Maintenance Training	1.2
Rigging Review	0.2

Safe Work Permit Course	0.6
Safe Work Permit Course from Oil Sands Safety Association (4 hr)	0.0
TDG	0.2
Time Management	0.6
WHMIS Awareness	0.3

Televent Educational Services SCADA for Operators	0.9
---	-----

Texas Rural Water Association On-line Training – Chlorinator System & Chemical Handling	2.0
Texas Rural Water Association On-line Training – Basic Water Works Operation	1.0
Texas Rural Water Association On-line Training – Water Utility Safety	1.0

Trojan UV Swift Operator Training	0.6
Trojan UV 3000 Plus Operator Training	0.6

### University of Alberta (U of A)

Accident Control I/Introduction to Health and Safety Systems	2.0
Accident Control II/Management of Health and Safety Systems	2.0
Administrative Practice – Phase III - Extension Course	5.1
Applied Hydrology	2.0
Certificate in Municipal Management & Leadership	5.0
Construction Administration Certificate	15.0
Emergency Management	1.0
Engineering Economic Analysis (ENG M 620)	3.6
Environment Geology Course (4252) (24 hours)	2.4
Environmental Resources Management Certificate	15.0
Fundamentals of Project Management (Course #04204)	3.0
Fundamentals – Phase I – Extension Course	3.9
Interpersonal Communication in Business	2.0
Introduction to Accounting ACCTG 300	1.3
Introduction to Computing CMPUT 101	0.0
Introduction to Occupational Health & Safety (Summer 2007)	1.5
Introduction to Statistics 241	3.0
Introduction to University Chemistry 200	13.0
Introduction to University Chemistry I CHEM 101	4.4
Managing a Technical Environment (ENG M 650)	3.6
Math 2251 Calculus	2.0
Microbiology Introductory 293	4.0
Occupational Hazards – Phase II - Extension Course	4.0
O.H.& S. Law Regulation and Codes	1.0
Occupational Hygiene I/Fundamentals of Occupational Hygiene	2.0
Occupational Hygiene II/Applied Occupational Hygiene	2.0
Organic Chemistry I CHEM 161	3.9
Organic Chemistry 250	13.0
Organisms in Their Environment BIOL108	3.9
Principles of Ecosystems	2.0
Resolving Construction Disputes	0.6
Risk Management and Communication	2.0
School of Business – Graduate Certificate in Program Management	4.2
Supervisory Development – Creating Effective Work Groups	1.0
Supervisory Development – Interpersonal Communications	1.0
Supervisory Development – Principles of Supervision	1.0
Supervisory Development – Supervising in the Union Environment	1.0
Supervisory Development – Supervisory Summation	1.0
Supervisory Development – Techniques for Supervisors	1.0
Supervisory Development – The Supervisor as a Trainer	1.0

### University of British Columbia

Agricultural Watershed Management RMES 517	1.5
Integrated Watershed Management RMES 515	3.0
Urban Watershed Management RMES 516	2.0

**University of Calgary**

Supervisory Development Certificate	7.0
-------------------------------------	-----

**University of Lethbridge**

Bachelor of Arts Political Science Major	6.0
--	-----

**University of Waterloo**

Physical & Chemical Properties of Matter	0.5
Environmental Microbiology	1.6
Industrial Organic Chemistry	0.5
Introduction to Organic Chemistry	0.5

Vaughan Company Inc. (All 3 courses need to be completed) Understanding a Centrifugal Pump Curve, Do's & Don't for Centrifugal Pumps, & Troubleshooting Pumps	0.6
---	-----

Vertical Systems International Fall Protection & Rescue	0.6
---	-----

Vital Safety Training – Confined Space Entry & Basic Rescue	0.6
---	-----

Vivax Metrotech Advanced Underground Cable & Pipe Locating Seminar 2011	0.5
---	-----

Walkerton Clean Water Centre – Safe Drinking Water: Lessons From Outbreaks	0.6
--	-----

Waterous Fire Pump Seminar	2.7
----------------------------	-----

**Water Environment Federation (WEF)**

WEF Comprehensive Pretreatment Course	1.8
WEF 22 <sup>nd</sup> Annual WateReuse Symposium (Sep 2007)	1.5
WEF Utilities Management Conference 2009	1.2
WEF Operations Training/Solids Handling Course	1.5

**Western Canada Water - WCW (Formerly WCWWA)**

Annual Conference <b>Prior to 2010</b>	1.5 each
Activated Sludge	1.8
Annual Conference Workshop in 2006 EACH	0.5
Assessing and Addressing Challenging Hydraulic Issues in a Wastewater System	0.3
Asset Management a Prerequisite for Infrastructure Sustainability 2008 Workshop	0.3
Automation Seminar	1.1
Benchmarking for Water Utilities	0.3
Biological Nutrient Removal Seminar	1.2
Biosolids (Sludge) Reuse Seminar	0.6
Challenges in Monitoring Water Quality in the Distribution System – Workshop – October 2007	0.5
Clarification and Coagulation Basics for Water Treatment	0.5
Cogeneration of Wastewater Treatment Plants. Is it right for your plant?	0.5
Combined Sanitary Sewer Overflow Workshop October 2005	0.6
Conference Workshops 2004, ISO Laboratory Accreditation – Sharing the Stories of Success	0.5
Corrosion in the Water & Wastewater Industries November 2006	0.6
Cross Connection Control Workshop September 23/08	0.3
Disinfection Seminar	1.2
Disinfection: Know Your Enemy and Your Weapons February 2008	0.5
Disinfection of Pipelines and Storage Facilities 2010	0.4
Emergency Planning Seminar October 2004 & March 2005	1.2
Emerging Contaminants in Water and Treatment 2008 Workshop	0.3
Filter Inspection & Surveillance Workshop October 2005	0.7
Greenhouse Gases and Carbon Foot printing in the Water/Wastewater Industry	0.3
Hands on Demonstration of On-line Instrumentation Maintenance – workshop – October 2007	0.3
Hydrant & Mains Seminar	0.7
Industrial Monitoring, Source Control & Pretreatment	0.5
Iron & Manganese Removal Technical Transfer Seminar	0.7
Membrane Issues, Water, Wastewater & Reuse	0.5
Membranes & Filtration in Water Treatment January 2007	0.5
Membrane Technologies for Water Treatment	0.5
Membrane Technologies for Water & Wastewater Treatment	0.6

Micro and Ultra Filtration Technologies	1.4
Microbiology Workshop October 2005	0.6
Navigating the Regulatory Framework June 2005	0.5
Nutrient Removal Seminar November 2007	0.9
On-line Analyzers October 2006	1.0
On-site Hypochlorite Generation as a Chemical Disinfection Alternative	0.6
Out of Sight, Out of Mind: Distribution System Rehabilitation	0.6
Planning for a Pandemic 2008 Workshop	0.3
Private Public Partnerships and Asset Management How can it works for you?	0.5
Project Planning, Delivery and Commissioning Seminar	1.2
Pump Operations & Maintenance 2011	0.4
Safety Awareness for Utility Operators	0.4
Small System Nutrient Removal Seminar (WCWEA)	1.0
Storm Water Management Seminar February 2006	0.6
Stormwater Best Management Practices; Conveyance, Storage and Treatment – Workshop – October 2007	0.3
Taste & Odour Control Seminar	1.2
The Future Art of Stormwater	0.5
Treatment Optimization Workshop	0.5
Trenchless Technologies for Sewer Rehabilitation Seminar	0.4
Understanding Contaminants of Emerging Concern and the Challenges Faced by the WWT Industry	0.3
Utility Management Workshop – A Holistic Approach to your Utility	0.6
UV Disinfection Water & Wastewater Applications	0.6
UV Disinfection 2009	0.7
Vulnerability Assessment Workshop	0.7
Wastewater Monitoring Seminar & Roundtable Discussion 2007	0.5
Wastewater Pumping Station and Forcemain Systems Design, Operation & Maintenance Workshop	1.2
Water & Wastewater Monitoring Roundtable	0.5
Water Filtration	1.5
Water/Wastewater Treatment Distribution/Collection Seminar 2006	1.0
Water/Wastewater Treatment Distribution/Collection Seminar 2006 Workshop EACH	0.4
Watershed Management Workshop	0.5
WCWWA Collection & Distribution Seminars (Grande Prairie/Lethbridge) EACH	1.0
WCWWA/WEF 3 <sup>rd</sup> Canadian Organic Residuals & Biosolids Management Conference	1.2
Wetlands Workshop October 2006	1.1

### **Weldwood (Hinton Pulp) Internal Training**

Plant Operations	0.6
Safety Training Day 2004	0.6
Safety Training Day 2006	0.3
Safety Training Day 2007	0.3
Water Treatment Lab AQ/QC Systems	0.3
Westerra Utility Officer Program	36.0
Westvac Industrial Ltd. – VacCon Sewer Combo Truck Training Course	0.0
Wolsley Water Works – Canada Valve Hydrant Course	0.6
Wordsmith Writing Workshop	0.0
Worthington & Associates The Law of Construction Contracting	0.3
Worthington & Associates The Laws & Practices of Purchasing Goods and Services	0.3
Worthington & Associates The Laws and Practices of Public Competitive Bidding	0.3
Zenon 5 <sup>th</sup> Annual Drinking Water User's Group (Sept 2005)	1.0
Zim's Safety Services Confined Space Preplanning Entry & Rescue	0.3

## LIST OF COMPULSORY & OPTIONAL TRADES

The following is a list of trades in Alberta. The list includes both Compulsory Certification Trades and Optional (Voluntary) Certification trades. For the purposes of the Alberta Environment Water and Wastewater Operator Certification Program someone who submits verification of **completion of the in-school training portion** of the specified trade will get the CEU (post secondary education credit as listed. The percentage listed is percentage of classroom time. The Sprinkler System Installer is listed at 50%. If the classroom time is 16 weeks, 8 weeks of approved post secondary education credit will be awarded. Trades listed with 0% can only be used for High School Equivalency ONLY, no post secondary education credit will be awarded. **NOTE *\*If the completion of relevant trades program is used for verification of Grade 12 it can not be used for post secondary education.***

ALBERTA TRADE NAME	Percentage of In-school training accepted for Post Secondary Education
Agricultural Equipment Technician	25%
Appliance Service Technician **Appliance Service Technician **Commercial Appliance Service Tech.	25%
Auto Body Technician **Auto Body Technician **Auto Body Prepper **Auto Body Repairer **Auto Body Refinisher	25%
Automotive Service Technician	25%
Baker	0%
Boilermaker	25%
Bricklayer	0%
Cabinetmaker	0%
Carpenter	0%
Crane & Hoisting Equipment Operator (CHEO) **CHEO Hydraulic Mobile Crane **CHEO Conventional Mobile Crane **CHEO Mobile Crane **CHEO Tower Crane **CHEO Boom Truck **CHEO Wellhead Boom Truck	25%
Communication Technician	0%
Concrete Finisher	0%
Cook	0%
Electric Motor Systems Technician	25%
Electrician	100%
Elevator Constructor	25%
Floor Covering Installer	0%
Gas Fitter ** Gasfitter A ** Gasfitter B	0%
Glazier ** Glazier ** Auto Glass Technician	0%
Hairstylist	0%
Heavy Equipment Technician (HET) **Heavy Equipment Technician (HET) **HET-Heavy Duty Equipment Mechanic (off Road) **HET-Truck and Transport Mechanic **HET-Transport Trailer Mechanic	25%
Instrument Technician	100%
Ironworker **Ironworker **Ironworker-Metal Building Systems Erector **Ironworker-Structural/Ornamental **Ironworker-Reinforcing	25%
Insulator	0%

<b>ALBERTA TRADE NAME</b>	<b>Percentage of In-school training accepted for Post Secondary Education</b>
Landscape Gardener	0%
Lather-Interior Systems Mechanic	0%
Locksmith	0%
Machinist	100%
Millwright	100% - 15 CEUs
Motorcycle Mechanic	25%
Outdoor Power Equipment Technician (OPET) **OPET-Marine Equipment **OPET-Power Equipment **OPET-Recreational Equipment **OPET-Turf Equipment	0%
Painter and Decorator	0%
Parts Technician **Parts Technician **Parts Technician-Materials Technician	0%
Plumber	100%
Powerline Technician	25%
Power System Electrician	0%
Recreation Vehicle Service Technician	25%
Refrigeration & Air Conditioning Mechanic	25%
Rig Technician **Rig Technician 1 **Rig Technician 2 **Rig Technician 3	0%
Roofer	0%
Sawfiler **Sawfiler **Sawfiler – Circular Sawfiler	0%
Sheet Metal Worker	25%
Sprinkler System Installer	50%
Steamfitter-Pipefitter	100%
Structural Steel and Plate Fitter	0%
Tilesetter	0%
Tool and Die Maker	100%
Transport Refrigeration Technician	0%
Water Well Driller	100%
Welder **Welder **Welder-Wire Process Operator	100% - 15 CEUs

## CITY OF CALGARY IN HOUSE TRAINING

COURSE NAME	PEOPLE SOFT #	CEU
Accident Investigation Training (inactive March 2007)		0.6
Achieving Extraordinary Customer Relations (inactive March 2007) – External – Mount Royal		1.2
AENV Certification Preparation Course (ENVR 300)	3236	1.6
AquaDisk Cloth Media Filtration (WWTP 140)	4080	0.0
Back Care Training - External		0.0
Backwash Waste Recycle Pumping & Filter to Waste Recycle Pumping		0.0
Basic Foreman Course (inactive March 2007)		2.5
Basic Pneumatics (TPCC 102)	3423	2.0
Behaviour at its Best (HRES 200)	1627	0.4
Blueprint Reading (TPCC 104)	3429	2.0
Butt Fusion Training		1.2
City of Calgary Field Trainers Development Course – Fleet Program		3.0
City of Calgary Leadership & Team Development Training Workshop - Corporate		4.0
Chlorine Practical(WWTP 101)	4076	0.0
Coaching & Employee Development (Mgmt 235)	5820	0.4
Coaching, Mentoring & Empl. Dev.( MGMT 230) Inactive Sept. 2008		0.8
Communication Skills (COMM 200)	1736	0.8
Conducting an Incident Investigation (SAFE 314)	2872	0.3
Confined Space Entry – Code of Practice (inactive March 2007)		0.9
Confined Space Entry (inactive March 2007)		0.5
Confined Space Technician	6492	1.2
Constructive Feedback (COMM 205)	4743	0.2
Corporate Values (HRES 110)	1885	0.0
Cross Connection Awareness - External SAIT		0.3
Cross Connection Control Testers – External SAIT		2.5
Dechlorination Using SBS (WATP 340)	2658	0.4
Discipline (inactive March 2007)		0.2
Effective Leadership (MGMT 100)	1737	0.4
Effective Presentation (inactive March 2007)		1.2
Effective Presentations (MGMT 140)	1688	0.8
Effective Reporting (COMM 110)	1691	0.4
Effective Reporting for Supervisors MSMT 212 (inactive March 2007)		0.4
Effective Work Teams (MGMT 120)	1738	0.4
Employment Equity (inactive March 2007)		0.0
Environmental Awareness (ENVR 100)	419	0.0
EnviroSystem Policies at Work (ENVR 104)	3195	0.2
Erosion & Sediment Control Course (ESC9-Ins) - Corporate		0.6
ESCII – APP: Practical Approaches for Erosion & Sediment Control in Calgary - Corporate		0.6
Field Ambassador (inactive March 2007)		0.6
Field Training (LED 100)	4350	0.8
First Aid/CPR (EMS) Prior to October 2005		2.0
First Aid/CPR (EMS) After October 2005		1.2
Forms Administration (MGMT 211)	1958	0.4
Front Line Leadership Level I (inactive March 2007) – Former Program		2.0
Level II (inactive March 2007)		1.2
Level III (inactive March 2007)		0.9
Level IV (inactive March 2007)		1.5
Level V (inactive March 2007)		0.6
Hazard Assessment Principles (SAFE 310)	2659	0.4
Hazard Assessment Application (SAFE311)	2720	0.4
Industrial Safety & Health (TPCC 108)	3425	2.4
Incident Investigation Fundamentals (SAFE 312)	2179	0.3
Intro to Potable Water Quality (WATQ 100)	1893	0.4
Introduction of UEP Viewer (COMP 230)/Waterfront (COMP 230)	1418	0.3
Introduction to Chlorine (WWTP 100)	4075	0.3
Introduction to Confined Space (SAFE 240) – No longer offered (2010)	2083	0.6
Introduction to Field Services (FDSV100)	6310	0.9
Introduction to IBM and DOS – Corporate/IT		0.0
Introduction to Information Processing – Corporate/IT		0.0
Introduction to Performance Management (MGMT280)	3408	0.3



COURSE NAME	PEOPLE SOFT #	CEU
Introduction to Technical Writing (COMM 303)	3410	0.5
Introduction to Water Services (WATR100)	1887	0.4
Introduction to Water Technology (TPCC110)	6482	1.0
Introduction to Waterfront (COMP 230)/Introduction to UEP View (COMP 230)	1418	0.0
Introduction to Waterworks & Wastewater (WATR 100) (Prior to September 06)	1887	0.4
Leadership & Motivation (MGMT 110)	1739	0.8
Leading Change (MGMT 270)	1963	0.4
Leading Effective Work Teams II (MGMT 220)	1959	0.8
Leak Detection Specialist IV (inactive March 2007) - Corporate		3.4
Let's Write (SAIT) (inactive March 2007)		1.5
Locate Buried Utilities (UTIL100)	5187	0.6
Mainsaver (COMP 238)	2544	0.8
Maintenance Management System (MMS) Training - External		1.5
Managing & Communicating Change (MGMT 272) (Note if combined with MGMT 271- 0.6)	1875	0.4
Managing Conflict (MGMT 170)	1692	0.4
Managing Effective Work Teams II (MGMT 222) (Note if combined with 220 – 1.0)		0.8
Managing Hazardous Energy – <i>new name</i> (SAFE 300)	3841	0.3
Managing HR & Maximizing Staff Co. (MGMT 232) (Note if combined with 230 – 1.2)		0.8
Managing Runoff (WATT 300)	2164	1.5
Managing Taste & Odour Using KmnO4 (WATP 330)	2721	0.4
Measurement Systems (TPCC 106)	3427	2.0
Meetings (MGMT 160)	1690	0.4
Meetings: Application & Practice (MGMT 161)	3530	0.2
OCL & Interim Operation of Bearspaw WTP Processes) (RETF 120)	4438	0.0
Operate Small Water Valves (WWWTEC13)		0.0
Organization Information (HRES 112)	1957	0.0
Organizational Framework (MGMT 271)	1874	0.4
Overhead Crane Safety (SAFE 406) - External	4547	0.6
Overview of Recruitment & Selection (MGMT 250)	1891	0.0
PI System Essentials	3058	0.3
Pipeman Refresher (one time only)		0.6
Pipeman Training For Foremen (if Pipeman Training Program <u>not</u> taken)		3.0
Pipeman Training Program		6.0
Plant Piping Systems (TPCC 105)	3428	2.0
Pretreatment Facility (PRTF100)	4642	0.3
Preventing Sexual Harassment (inactive March 2007) - Corporate		0.0
Problem Solving For Supervisors (inactive March 2007) - Corporate		1.2
Problem Solving (MGMT 130)	1740	0.4
Production Lock-Out System (SAFE300) <i>NEW NAME:</i> Managing Hazardous Energy	3841	0.3
PRV Engineering Selection Seminar (inactive March 2007) - External		0.7
Pump Operation (TPCC 101)	3431	2.0
Recruitment & Selection (MGMT 252)	1880	0.4
Regulatory Requirements & Standards for Potable Water Quality (WATQ 102)	2168	0.3
Return to Service (WATQ 200)	2818	0.4
RTF - Thickening (RETF140)	4435	0.3
RTF – Dewatering (RETF 150)	4436	0.3
Safety for Foreman MGMT 260 (inactive March 2007)		0.8
Safety Legislation in the Workshop (SAFE300) (inactive March 2007)	2146	1.2
Safety Program Orientation (inactive March 2007)		0.0
Schematics & Symbols (TPCC 103)	3430	2.0
Section Books Learners Manual	6080	1.2
Self Care (SHAW 100) (Prior to September 06) (inactive March 2007) - External		0.4
Self Contained Breathing Apparatus (inactive March 2007)		0.2
Septage Dump Station (WWTP 135)	4079	0.0
Shoring (SHOR100)	5216	1.2
Shoring (inactive September 2008)		0.6
SOP Trainer (inactive March 2007)		8.5
SPL Introduction (COMP 283)	5583	0.0
SPL Synergen Overview (COMP 270)	3418	0.2
SPL Timekeeping (COMP 284)	5584	0.0
SPL Work Order (COMP 285)	5585	0.0
Stress Management (SHAW 110) (inactive March 2007)		0.4
Supervisory Training Program (Calgary Parks & Rec) - Corporate		2.0

<b>COURSE NAME</b>	<b>PEOPLE SOFT #</b>	<b>CEU</b>
Targeted Selection – External Mount Royal		1.8
Time Management (MGMT 180)	1741	0.4
Transportation Of Dangerous Goods (TDG) Clear Language Program	1422	0.6
Troubleshooting Skills (TPCC 100)	3422	2.0
University of Calgary Management Certificate Program		30.0
Use Rose Pullover Harness		0.0
Use SCBA		0.0
Wastewater Collection System Installations (WWCO 100)	4783	1.2
Wastewater Equipment Maintenance (TPCC 107)	3426	1.0
Wastewater Treatment Processes (TPCC 109)	3434	1.0
Water Operating Approval Overview (WATQ103)	3529	0.3
Water Distribution System Design (WATS 300)	4351	1.6
WHMIS I (inactive March 2007)		0.0
WHMIS II (inactive March 2007)		0.2
Worksite Temporary Traffic Control (inactive March 2007) - External		0.5

Updated May 9, 2011

City of **Edmonton/EPCOR**/ Water Network Maintenance

<b>COURSE NAME</b>	<b>CEU</b>
Accident Investigation Solutions	0.6
Air Brakes Course	0.0
Activated Sludge Process Control 1999 (2 day)	1.2
Activated Sludge Process Course 2000 (5 day)	4.0
Activated Sludge Process for Maintenance Staff (1 day)	0.6
Analyzer/Meter Safety Program Advanced Safety Awareness Training	3.0
Anodes	0.8
As –built Preparation and GIS Software Training for the Field Force	0.4
Assertive Communications: An Essential Individual Competency & Team Skill (ESP1101)	0.6
AWWA Norwood Foundry Isolation & Control Valves Butterfly/Ball/Globe	0.5
Backflow Awareness – Technical Learning College	0.6
Backhoe Loader Training Program (will be given to WD.WWC Operators ONLY)	10.0
Barricade & Traffic Control Advanced Safety Awareness	0.4
Basic Mathematics & Hydraulic Calculations for WWC Operators 2011	1.2
Basic Operation & Maintenance for WWC Operators 2011	1.2
Basic Plumbing – Technical Learning College	0.4
Becoming a Master Instructor	5.0
Behaviour Based Safety (BBS) Observation Training Advanced Safety Training	1.5
Theory of Biological Nutrient Removal, the Theory of	0.5
Chemical Safety Program	0.4
City of Edmonton Fundamentals of Supervisor Training Module	2.4
Coaching for High Performance	1.5
Cold Temperature BNR Operations (2 day)	1.2
Confined Space Entry – Rescue, Substructure Maintenance, Drainage Mechanical Facilities, Deep Manholes, Shallow Manholes ( <b>maximum ONE only</b> )	0.6
Confined Space (STC1101)	0.3
Confined Space Entry Training – Technical Learning College	0.8
Confined Space Entry UPDATES – Rescue, Substructure Maintenance, Drainage Mechanical Facilities, Deep Manholes, Shallow Manholes ( <b>maximum ONE only</b> )	0.3
Confined Space Rescue	2.4
Construction Safety Training 1 <sup>st</sup> Time	0.4
Construction Safety Training Cyclical Training (every 3 years)	0.2
Construction Safety Training Systems	0.6
Defensive Driver	0.0
Designated Plumbing Upgrade	0.6
Designated Welding Upgrade	0.0
Designing with PVC Pipe Seminar (IPEX/Royal Pipe)	0.5
Drinking Water Quality and Monitoring (WT1101)	1.8
Elective Overhead Travelling Crane (STC1102)	0.3
Excavation & Trenching Training – Technical Learning College	0.6
Emergency Site Plan Procedures (CSAZ731)	3.2
Environmental Management System	1.2
Equipment Operator Training (Part I Classroom)	0.6
Ergonomic Training	0.0
Essential Leadership – EPCOR School of Business	3.0
Fall Protection Group – Industrial/Commercial End-User Fall Protection Program	0.0
Fall Protection (STC1105)	0.6
Facilitating for Results	1.5
Fire Awareness Training	0.4
First Aid (Update) (subsequent year or RENEWAL only, not be accumulated)	0.6
From Frontline to Foreman, Dealing with the Tough Stuff	2.4
Foremanship (GMCC for the City of Edmonton)	3.0
Foremanship Level II, 8 day (NAIT for City of Edmonton)	4.0
Foremanship Level II <i>Compressed</i> (NAIT for the City of Edmonton)	2.0
Gas Detection	0.3
Guiding Employee Performance	1.2
Hoisting and Rigging Part I	0.4
Hoisting and Rigging Part I (Cyclical every 5 years)	0.2
Hoisting and Rigging Part II	0.4
Hoisting and Rigging Part II (Cyclical every 5 years)	0.2
Hoisting and Rigging Part III	0.4
Hoisting and Rigging Part III (Cyclical every 5 years)	0.2

<b>COURSE NAME</b>	<b>CEU</b>
Hydrant Repairs	1.2
Interest Based Problem Solving	1.2
Leadership 2000	4.0
Introduction to MapInfo GIS Software	0.6
Intermediate MapInfo GIS Software	0.6
Leadership for Results (Formerly Leadership 2000) – 3 days	1.8
Leading People for Results I	1.2
Leading People for Results II	1.2
Leading People for Results III	1.2
Leading People for Results IV	1.2
Leading People for Results VII	1.2
Main Repairs	1.4
Meter Repairs	1.3
Meter Training - Testing Large Meters	0.8
Meter Training - Testing Small Meters	0.8
Meter Training - Threaded/Flanged Meter Installation	0.3
NFPA 472 Based Spill Awareness Training	0.6
Odour Control (WWT1101)	0.3
Operation Procedures - Anode Testing	0.2
Operation Procedures - C-Valve Testing	0.4
Operation Procedures - Distribution Valve Operation	0.2
Operation Procedures - Flow Testing	0.4
Operation Procedures - Hydrant Flushing/Winter Checking	0.4
Operation Procedures - Thawing/Cleaning Distribution Valve Casings	0.2
Operation Procedures - Transmission Valve Operating	0.5
Pipeman Certification	1.2
Pipeman Refresher (1/2 day)	0.3
Pipeman Refresher (full day)	0.6
PowerPoint, Word Intro, Word Inter, Excel Intro, Excel Interm	0.0
Priority Management	1.5
Pumps & Pumping (A. Bowen Instructor)	1.6
Quality Management System	1.8
Road builders Safety Training Systems (RSTS) ACSA	0.3
Root Cause Failure Analysis & Maintenance (Carver PA Corporation)	1.0
Safe Start Program Advanced Safety Awareness Training	0.7
Safety 2000 (EPCOR Water Services)	2.4
Sewer Mainline Televising	0.6
Sewer Service Televising/Locating	0.6
Specialist Training for Hazardous Material	2.0
Standard First Aid Cyclical Training First Time Only	1.2
TDG Carriers, Shippers & Handlers Cyclical Training (every 3 years)	0.2
TDG Carriers, Shippers and Handlers	0.5
Team Effectiveness	2.0
Train the Trainer	1.2
Transmission Valve Repairs	0.9
Treatment Processes Training Program Advanced Safety Awareness Training	0.2
Trench Training	1.2
Trenching & Shoring Training	0.5
Unidirectional Flushing Training	1.4
Valve Repairs	1.2
Water and Wastewater Collection System 2 <sup>nd</sup> Annual Conference (Jan 2008)	0.5
Wastewater Collection System Operators 3 <sup>rd</sup> Annual Conference (January 2010)	0.6
Wastewater Collection System Operators 1 <sup>st</sup> Annual Conference (Feb 2007)	0.6
Wastewater Treatment Operations Overview (WWT1102)	0.8
Water Transmission Overview (WT1103)	0.6
Water Treatment Operations Overview (WT1102)	0.6
Water Sampling and Testing	0.2
Water Service Repairs	1.2
WHMIS	0.3
WHMIS Training Transportation of Dangerous Goods	0.6
Work permit System Training Regulator OH & S	0.4
Written Communication	1.5