

Wednesday Sept. 21, 2011					
7 AM	Opening Ceremonies/Breakfast/ Keynote Speaker 7:00 a.m. – 10:00 a.m. Hilton Garden Inn Government Affairs Forum				
10:30	10:30 a.m. – 11:30 a.m. Hilton Garden Inn				
	Exhibition Open: 10:00 a.m. – 2:00 p.m. Exhibition Lunch: 12:00 p.m. – 1:30 p.m. Grand Salon – TCU Place				
	Technical Program Held at TCU Place				
	<b>Gallery A</b>	<b>Gallery B</b>	<b>Gallery C</b>	<b>Gallery D</b>	<b>Gallery Suite I</b>
	A1 - Asset Management, Assessment I	B1 - Wastewater Treatment I	C1 - Water Treatment I	D1 - Education, Mentorship, Operator Input	E1 - Pipeline Assessment, Repair
1:30 PM	Step One - Learn to Walk: Comparing Simple versus Complex Management Information Systems for Understanding Water Access Rates in Rural Malawi <a href="#">Garrett Schmidt</a>	Application of Large Scale At-Grade Sewage Treatment and Disposal in K'asho Got'ine, NWT  <a href="#">Ken Johnson</a>	Swan Hills WTP Upgrade for Turbidity and DBP Reductions  <a href="#">Kevin Liu</a>	Structured Methods to Involve Operators in the Design of Wastewater Treatment Plants  <a href="#">Patrick Coleman</a>	CFRP Liner Repairs to a Critical PCCP Pipeline in Hamilton. Part A: Liner Design and Procurement.  <a href="#">Marv McDonald</a>
2:00 PM	PCCP Pipeline Assessment and Management Plan  <a href="#">Nellie Smith and Lloyd Barteski</a>	Moose Jaw Wastewater Treatment Plant Upgrade: First Year of Operation  <a href="#">Damodar Pokhrel</a>	Primary Disinfection Upgrades for City of Prince Albert  <a href="#">Eric Gaudet</a>	Attract, Engage and Develop the Next Generation  <a href="#">Owen Van Wallegghem, Kyla Kirk</a>	CFRP Liner Repairs to a Critical PCCP Pipeline in Hamilton. Part B: QA/QC Requirements <a href="#">Marshall Gibbons</a>
2:30 PM	City of Saskatoon Spadina Raw Water Pipeline Inspection: Inspection of Large Diameter Pipelines in Critical Applications  <a href="#">Jeff Ruzicka</a>	Capacity Expansion and Treatment Improvement of a Wastewater Treatment Plant in Częstochowa, Poland using a Vacuum Mixed Liquor Degassing System <a href="#">Matthew Maciejewski</a>	City of Winnipeg Water Treatment Program - Deacon UV Disinfection Facility  <a href="#">Ray Bilevicius</a>	Development of Structured Training Programs for New Engineers  <a href="#">Patrick Coleman</a>	Considering a PipeDiver Inspection? Here Are Some Things You Should Know  <a href="#">Marshall Gibbons</a>
3:00 PM	Break				
	A2 - Asset Management, Assessment II Chair <a href="#">Bert Munro</a>	B2 - Wastewater Treatment II	C2 - Water Treatment II	D2 - Infrastructure Design & Construction	E2 - Water Treatment - Advanced Oxidation
3:30 PM	A Framework for Condition Assessment of Pipelines in Pressure Service  <a href="#">Christopher Macey</a>	Design, Startup and Commissioning of Fort McMurray's New BNR WWTP  <a href="#">Gerry Stevens</a>	Retrofitting 100 Years of History: Saskatoon 1911 Filter Plant  <a href="#">Rob St. Pierre</a>	Design, Construction and Commissioning of the Newell Regional Services Corporation (NRSC) Regional Water Treatment Plant <a href="#">Andrew Kleisinger</a>	Advanced Oxidation Process – Effective and Technical Method for Micropollutant Removal in Contaminated Water Sources  <a href="#">Achim Ried</a>
4:00 PM	The Asset Emergency Room – How Can We Fairly Assess Priorities?  <a href="#">Paul Smeaton</a>	NAIT Onsite Wastewater Treatment and Reuse Concept Design  <a href="#">Ryan Devlin</a>	Coordinating and Sequencing Operations to Commission the Glenmore Water Treatment Plant Upgrade <a href="#">Steven Dold</a>	Providing Municipal Infrastructure to Regina's Global Transportation Hub  <a href="#">Kevin Syrnick</a>	UV Advanced Oxidation for the Treatment of Micropollutants and Algae-related Taste and Odour Compounds in Drinking Water  <a href="#">Robert Haas</a>
4:30 PM	Direct Condition Assessment of Metallic Buried Water Lines  <a href="#">Ad Shatat</a>	Vortex Grit Chamber Design Optimization with CFD and Field Test Validation <a href="#">Martin Couture</a>	Dechlorination of Waste Flows at Historical Rosedale Water Treatment Plant <a href="#">David Ofield</a>	Saskatchewan Landing Regional Water System  <a href="#">Ryan King</a>	Mineralization of Bisphenol A by Catalytic Ozonation  <a href="#">Rozita Keykavoos</a>
5:00 PM	Your 30 Year Public Works Superintendent Just Retired – Now What?  <a href="#">Doug VandenBrink</a>	RAM Modeling: An Innovative Approach to Quantify Reliability and Redundancy Philosophies for an Industrial WWTP Design <a href="#">Eric Meng</a>	High River Levels and the Impact on Water Treatment - 2011 The Perfect Storm  <a href="#">Troy LaFreniere, Bruce Clark</a>	City of Saskatoon Pipeline River Crossing - Construction by Proposal  <a href="#">Scott Miller</a>	Evaluation of the Performance of Alumina and Activated Carbon Catalysts in Ozonation Systems for the Removal of a Model Micropollutant <a href="#">Carlos Guzman-Perez</a>

Thursday Sept. 22, 2011					
	Gallery A	Gallery B	Gallery C	Gallery D	Gallery Suite I
	A3 - Regulatory Issues	B3 - Wastewater Treatment - Lagoons	C3 - Water Treatment - Filtration	D3 - Trenchless Technology	E3 - Special Topics
<b>8:30 AM</b>	Changes in Occupational Health and Safety Limits for Hydrogen Sulfide <a href="#">Patrick Coleman</a>	Athabasca Aerated Lagoon Rehabilitation <a href="#">Marianne Lund</a>	Upflow Roughing Filter Used to Reduce Fe Loading on Gravity Filters <a href="#">Shengtao Weng</a>	Deep Utility Infrastructure: Too Deep to Dig <a href="#">Owen Mierke</a>	What You Don't See "Until" <a href="#">Mike Zilinski</a>
<b>9:00 AM</b>	AAMDC's Model Process for Subdivision Approval Where Private Sewage Treatment Systems (PSTS) are Proposed <a href="#">Ryan Devlin</a>	Enhancing the Performance of Wastewater Lagoons by Harvesting Wind Power and Renewable Energy <a href="#">Chris Zeiss</a>	Arsenic Removal Using Slow Sand Filtration <a href="#">David Manz</a>	The Pilot Tube Microtunneling Method of Pipeline Installation <a href="#">Jeff Boschert</a>	Water Research Foundation Report and Discussion <a href="#">Marty Allen</a>
<b>9:30 AM</b>	Understanding Regional Consolidation of Small Water Treatment Facilities: A Municipal Government Perspective <a href="#">Alexandria Fisher</a>	Beaverlodge Aerated Lagoon Upgrade - Design and Results <a href="#">Kevin K. Liu</a>	The Effectiveness of Slow Sand Filters to Treat Canadian Rural Prairie Water <a href="#">Dena McMartin</a>	Preston & Taylor Storm Sewer CIPP Rehabilitation <a href="#">Mark Brand</a>	Quality Management Experiences from Ontario's New Program <a href="#">Indra Prashad and Wayne Stiver</a>
<b>10:00 AM</b>	Break				
	A4 - Asset Management, Assessment III	B4 - Wastewater Treatment - Nutrients I	C4 - Pumping	D4 - Stormwater	E4 - Source Water Protection
<b>10:30 AM</b>	Comparing Apples to Oranges - A Multi-Criteria Evaluation Strategy for Infrastructure <a href="#">Chris Mountenay</a>	Operating Two Process Trains in Parallel to Achieve Nutrient Removal in the R.M. of East St. Paul <a href="#">Jamie Brewster</a>	Chemical Dosing Without Positive Displacement Pumps <a href="#">Greg Schmidt</a>	MWDB Replacement Storm Trunk - Design Considerations <a href="#">Dave Krywiak</a>	Combined Application of Ferrihydrite-Modified Diatomite and Gypsum for Phosphorus Control <a href="#">Wenhui Xiong</a>
<b>11:00 AM</b>	Modelling Deterioration in Sewer Mains Using the Degradation Model <a href="#">Jan-Mark Gustafson</a>	Phosphorus Recovery from Wastewater: Principles, Technologies and Feasibility <a href="#">Qiuyan Yuan</a>	Pump Efficiency Testing Using a Thermodynamic Method <a href="#">Imad Abuyousef</a>	Conversion of Surplus School Sites to Stormwater Management Facilities <a href="#">Christopher Jones</a>	A Clear Perspective of Canadians and Source Water Protection <a href="#">Mary Lou Mendro</a>
<b>11:30 AM</b>	Internal Assessment and Repair of PCCP Forcemain <a href="#">Garry Mak</a>	Selection of a Struvite Control System for H.M. Weir WWTP <a href="#">Ryan Roberts</a>	Efficient Backwash Pumping in Water Treatment Plants <a href="#">Morris Liu</a>	Determining an Appropriate Service Level for Sanitary Sewer Tanks Designed to Reduce the Risk of Basement Flooding <a href="#">Galen Heinrichs</a>	Red Deer River Source Water Protection Through Enhanced Wastewater Treatment <a href="#">Stephan Weninger</a>
	AWWA Lunch – Grand Salon (TCU Place) 12:00 PM – 1:30 PM				
	Tours – all tours depart from TCU Place 2:00 PM – 5:00 PM				

**Friday Sept 23, 2011**

	<b>Gallery A</b>	<b>Gallery B</b>	<b>Gallery C</b>	<b>Gallery D</b>
	<b>A6 - Asset Management, Assessment IV</b>	<b>B6 - Wastewater Treatment III</b>	<b>C6 - Water Quality Issues</b>	<b>D6 - Sludge and Residuals I</b>
<b>8:30 AM</b>	The Asset Management Culture and a Reliability Improvement Case Study <a href="#">Nigel D'souza</a>	Simultaneous Removal of COD and Ammonia from High-Strength Wastewater in a Three- Phase Fluidized Bed Reactor <a href="#">Li Wan</a>	Monitoring, Testing and Treatment of Radiologicals in Drinking Water <a href="#">Brenda Stanek</a>	Anaerobic Digestion - Comparison of Design Considerations Between a Biosolids and Organic Solid Wastes Digestion Facility <a href="#">Patrick Coleman</a>
<b>9:00 AM</b>	From PSAB 3150 to Evidence and Risk Based Municipal Infrastructure Capital Planning <a href="#">Josh Safronetz</a> , <a href="#">David Watt</a>	Treatment of Waters Contaminated with Ammonia and Nitrite using Conventional and Microbial Fuel Cell Bioreactors <a href="#">Uranbileg Daalkhajav</a>	Effect of Raw Water Bromide on Disinfection ByProducts <a href="#">Daniel Conrad</a>	Converting the Aerobic Digesters at the Agassiz Wastewater Treatment Plant into the Thermotolerant Aerobic Digestion <a href="#">Bengül Kurtar</a>
<b>9:30 AM</b>	How Do You Assess the 591 Municipal Wastewater Facilities in Alberta? <a href="#">Richard Tombs</a>	Application of Microbial Fuel Cells in Treatment of Waters Contaminated by Short Chain Fatty Acids <a href="#">Lyman Moreno</a>	The Carbon Footprint of Taste & Odour Control <a href="#">Simon Breese</a>	Regina WWTP Sludge Dewatering Upgrade Planning <a href="#">Alex Munoz</a>
<b>10:00 AM</b>	Break			
	<b>A7 - Management Issues</b>	<b>B7 - Wastewater Treatment - Nutrients II</b>	<b>C7 - Wastewater Collection</b>	<b>D7 - Sludge and Residuals II</b>
<b>10:30 AM</b>	Spreadsheet Risk - What is Good Practice? <a href="#">Patrick Coleman</a>	Nutrient Recovery in Western Canada - Progress Towards Sustainable Nutrient Management <a href="#">Chris Howorth</a>	Cadomin Low Pressure Sewer System - An Innovative Approach for Poor Soil Conditions and Restricted Right-of-Way Widths <a href="#">Michael Pohl</a>	Greenway Primary Sludge Pumping Optimization <a href="#">Stefano Antonacci</a>
<b>11:00 AM</b>	An Engineer's Perspective of IT from Inside IT <a href="#">Dale Clancy</a>	Biotreatment of Waters Contaminated with Hydrogen Sulfide, Nitrate and Nitrite <a href="#">Yimin Sun</a>	Development of Saskatoon's City-Wide Sanitary Model Using InfoSWMM <a href="#">Hossein Azinfar</a>	Less Water Treatment Residuals and More Options by Converting to Direct Filtration Operation During Winter <a href="#">Wendell James</a>
<b>11:30 AM</b>		SAGR® Process Provides Post Lagoon Nitrification and Effluent Polishing <a href="#">Merle Kroeker</a>	Edmonton Wastewater Source Control Program <a href="#">Kevin Zhang</a>	The City of Calgary, Bonnybrook Wastewater Treatment Plant Co-Generation Plant Upgrade Project <a href="#">Jifan Liu</a>
	WEF Lunch and Conference Closing 12:00 PM – 1:30 PM Grand Salon (TCU Place)			