


# Agenda (subject to changes and substitutions)

April 29, 2009	
6 - 9 pm	<p><b>WaterTech 2009 Opening Reception</b> Van Horne Ballroom</p> <p>Registration open until 8 pm</p> <p>Welcoming Remarks: Hon. Rob Renner Minister, Alberta Environment</p> <p>Featuring live music by Dale Ladouceur and Barrie Nighswander. Duck Pond for Charity.</p> <p style="text-align: right;">Sponsored by Stantec Consulting Ltd.</p> 

April 30, 2009				
7 - 8:15 am	Registration / Networking Breakfast President's Hall and Van Horne Ballroom A, B, C, Upper Level			
8:15 - 8:30	Opening Remarks and Welcome Van Horne Ballroom A Emcee: Mr. Fred Keating Welcome: Mr. Craig Robertson, Wiebe Environmental Services, ESAA President			
8:30 - 9:30	Opening Plenary Session Van Horne Ballroom A "Hindsight and Foresight: 20 Years after the Exxon Valdez Oil Spil" Gary Shigenaka, National Oceanic and Atmospheric Administration			
9:30 - 10	Networking Break Exhibit Area- Van Horne Ballroom C and President's Hall			
	Regulatory Beatty	Lakes, Wetlands and Natural Areas Coleman	Municipal Shaughnessy	Groundwater Part 1 Theatre
10 - 10:30	Recent/Emerging Alberta Water Regulations: Non-Saline/Saline Water Use (Abstract 26) Jamie Wills, Waterline Resources Inc.	Polymer Enhanced Best Management Practices for Erosion and Sedimentation Control, Water Clarification, Soil Stabilization, and Pond and Lake Management including Nutrient Control (Abstract 25) Seva Iwinski, Applied Polymer Systems	Edmonton Sewers Use Bylaw and Wastewater Source Control Program (Abstract 8) Kevin Zhang City of Edmonton	Groundwater – Surface Water Interaction at Nose Creek (Abstract 15) Marc Adams, BGC Engineering Inc.
	5 Minute Transition			
10:35 - 11:05	Buying and Selling Alberta Water Rights: Legal and Regulatory Requirements and Challenges (Abstract 4) Alan Harvie Macleod Dixon LLP	Groundwater Remediation Using Engineered Wetlands: As case study - British Petroleum, Casper Wyoming (Abstract 14) Ryan Devlin, Stantec - Jacques Whitford NAWÉ	Pollution Prevention Through Sewer Use By-law (Abstract 24) Vetri Kasinathan York Region	Interaction of Collected Water and Soil Within Remediation Excavation in Central Alberta (Abstract 19) Jan Quinlan, WorleyParsons
	5 Minute Transition			
11:10 - 11:40	The Role of Groundwater in Alberta's Tight Water Supply Environment (Abstract 27) Daniel R. Brown, Golder Associates Ltd.	Ecohydrological Study of the Muskakoski Natural Area, Edmonton, Alberta (Abstract 7) Paul R. Morton EBA Engineering Consultants Ltd.	Salt-Clay Interactions: Reducing Sediment Loads and Erosion at Snow Storage Sites (Abstract 29) Wanda Goulden City of Edmonton	Development of a Statistical Approach to Determining Background Groundwater Conditions at Contaminated Sites in Alberta (Abstract 5) Liza Flemming, TRIUM, Inc.

11:40 - 1:45 pm	<p>Keynote Luncheon Van Horne Ballroom A</p> <p>Hydrogeologists without Borders - An Update Craig Robertson, Wiebe Environmental Services</p> <p>Bugs, People and Change: A Nature Nut's Perspective John Acorn, University of Alberta</p>
1:45 - 2:15	Networking Break Exhibit Area- Van Horne Ballroom C and President's Hall
2:15 - 4:45	<p>Alberta Updates - General Session Theatre</p> <p>Moderator: David McKenna Groundwater Policy Branch, Alberta Environment</p> <p>An Environmental Risk Screening Tool for Confined Feeding Operations in Alberta (Update 1) Walter Ceroici, Natural Resources Conservation Board</p> <p>Groundwater Mapping and Management Tools (Update 2) Bob Chandler, Alberta Environment</p> <p>Groundwater Classification Overview (Update 3) Rob George, Alberta Environment</p> <p>Water Management Framework for the Industrial Heartland and Capital Region - A New Approach to Water Management (Update 4) Norm Jede, Alberta Finance and Enterprise</p> <p>Working Well Program Overview (Update 5) Jennifer Macpherson, Alberta Environment</p>

<b>May 1, 2009</b>			
7:30 - 8:15 am	Networking Breakfast Exhibit Area- Van Horne Ballroom C and President's Hall		
	<b>Modelling and Mapping</b> Beatty	<b>Waste Water</b> Coleman	<b>Groundwater Part 2</b> Shaughnessy
8:15 - 8:45	Integrated Hydrologic-Hydraulic Modelling of Lesser Slave Lake Watershed using MIKE-SHE Modelling Software (Abstract 18) Manas Shome, WorleyParsons	Application of a holistic approach for the selection of wastewater treatment technologies (Abstract 1) A.J. MacDonald, WorleyParsons	GASSYS: Direct in-situ and passive gas sampling from unsaturated soil and from groundwater (Abstract 10) K. Udo Weyer, WDA Consultants Inc.
	5 Minute Transition		
8:50 - 9:20	Mapping Complex Pollution Scenarios: Charting Water Flow Along Lenses of Materials with Differing Permeability (Abstract 21) Paul Rollins Willowstick Technologies	Novel Oxidations, Coagulation and Flocculation System (Abstract 23) Jan Korzeniowski J.K. Engineering Ltd.	Groundwater Assessment to Set Site - Specific Remedial Objectives for Herbiides (Tebuthiuron) (Abstract 11) A.Aziz Shaikh EBA Engineering Consultants Ltd.
	5 Minute Transition		

## May 1, 2009 (continued)

9:25 - 9:55	Salinity Mapping and Cross-Sectional Imaging Beneath Rivers and Lakes (Abstract 28) Paul Bauman, WorleyParsons	Municipal Ozone Assisted BioFiltration Water Treatment– A First for Saskatchewan (Abstract 22) Fidelma Horgan PINTER & Associates Ltd	Sample Hold Time Evaluation for Polycyclic Aromatic Hydrocarbons in Water Samples (Abstract 30) D.A. Birkholz ALS Laboratory Group
5 Minute Transition			
10:00 - 10:30	Application of Seismic Technology to Develop a Hydrogeological Model in Petrel - An Alberta Application (Abstract 2) Ken Campbell Schlumberger Water Services	The Effects of Micro Nutrient Optimization on Wastewater Treatment Plant Performance (Abstract 9) Ian Spice, Maat Environmental Engineering Corp.	Groundwater Recharge Estimates in the Athabasca and Cold Lake Oil Sands Areas (Abstract 13) Gordon MacMillan Matrix Solutions
10:30 - 10:50	<b>Networking Break</b> Exhibit Area- Van Horne Ballroom C and President's Hall		
	<b>Miscellaneous</b> Beatty	<b>Aquifers</b> Coleman	<b>Groundwater Part 3</b> Shaughnessy
10:50 - 11:20	Low Maintenance Passive Treatment Systems for Mining Site Contaminants (Abstract 20) Robert C. Thomas, CH2M HILL	Dilution is not a Salt Solution Case Studies: Assessment, Containment and Recovery of Two Produced Water Spills into Domestic Use Aquifers in Central Alberta (Abstract 6) Randy Brunatti, AMEC Earth & Environmental	Groundwater Data Management in support of Basin Scale Water Management Planning (Abstract 12) Dan Yoshisaka, Stantec
5 Minute Transition			
11:25 - 12:05 pm	Hydrogeology of an Alpine Valley, southeastern British Columbia - Implications for Coalbed Methane Exploration and Development (Abstract 16) S.M. Harrison SH Consulting Services	Aquifer Storage and Recovery (ASR) for Cost Effective Off-stream Storage (Abstract 3) Ken Campbell Schlumberger Water Services	Increasing Bio-Availability of Contaminant in Groundwater Using Surfactant Enhanced Bioremediation (SEB) (Abstract 17) George Ivey, Ivey International
5 Minute Transition			
12:10 - 12:40			Slug Test - Influence of purging the surrounding monitoring wells for groundwater sampling during the hydraulic conductivity test in a monitoring well (Abstract 31) Hafeez Chishti PHH ARC Environmental
12:40 - 2:30	Keynote Luncheon, Door Prizes and Closing Remarks Van Horne Ballroom A Deep Water – Deep Leadership Dr. Joe MacInnis , Titanic & Ocean Explorer		