

Presented by *insIGHT*

4th Annual

WATER & LAND MANAGEMENT IN ALBERTA



December 8 – 9, 2008
TELUS Convention Centre
Calgary

Finding a balanced approach to sustainable development in Alberta is an ongoing challenge across stakeholder groups. This year's conference brings together provincial, regional, municipal and industrial decision makers in three of the busiest corridors in the province: Calgary region, the Capital region and Fort McMurray. You'll learn how watershed planning and land use planning are being integrated to achieve a balance between ecologic, economic and social objectives.

Session highlights include:

- *Land-use Framework*: Where are we now? Where are we headed?
- Update on the *Cumulative Effects Framework*
- Wood Buffalo Region mining challenges (Fort McMurray)
- Federal jurisdiction over water and interprovincial water aspects in BC and Alberta
- Aboriginal water and land management challenges
- Alberta's new *Wet Areas Mapping Initiative*: a cost effective approach to ensure sustainability
- Future challenges and opportunities in the Oil Sands

Special Case Studies and Panel Presentations:

- Land Use Conflict in Upgrader Alley – Alberta's Industrial Heartland
- Innovative approaches for achieving greater natural resource sustainability
- North Saskatchewan Industrial Heartland Upgrader Challenges
- Bow River Basin: Urban Rural Challenges

and much more...

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PROGRAM CO-CHAIRS

Bill Berzins, M.A.Sc., P.Eng
*President, Fossil Water Corporation
Chair, Bow River Basin Council*

Richard C. Secord
*Partner
Ackroyd LLP*

KEYNOTE SPEAKERS

*Land-use Framework:
Where Are We Now?
Where Are We Headed?*

Morris Seiferling
*Assistant Deputy Minister
Sustainable Resource &
Environmental Management*

*Alberta Water Council:
Experiences and Processes
Towards Developing the
Provincial Wetland Policy*

Gordon K. Edwards
*Executive Director
Alberta Water Council*

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ADVISORY BOARD MEMBERS:

Bill Berzins, M.A.Sc., P.Eng
President, Fossil Water Corporation
Executive Member - Alberta Water Council

Calvin Duane, P.Ag., R.P.F.
Manager, Environment
Canadian Natural Resources Limited

Richard C. Secord, B.A., LLM
Barrister & Solicitor
Ackroyd LLP

Dear Colleague,

Economic growth in Alberta continues to place unprecedented pressure on land and water managers to balance social, economic and environmental needs. Prosperity has attracted thousands of new Albertans – each bringing their own expectations for better infrastructure, better accommodation, better recreation and better jobs. In a few short years, Alberta's big blue skies have become cluttered by our raised expectations. Increasingly, the public expects government and industry to act in collective interest with a greater focus on the cumulative capacity of our increasingly crowded landscape. *Insight's* 4th Annual Water and Land Conference continues to play an important role in building the knowledge and connections needed to help water and land managers succeed.

This year's conference brings together provincial, regional, municipal and industrial decision makers in three of the busiest corridors in the Province: Calgary region, the Capital region and Fort McMurray. At the provincial level, speakers will be discussing the implications of the proposed Land-use Framework and the proposed Wetland Policy on development. At the regional level, you will hear from regional planners about the processes they are using to achieve consensus amongst stakeholders as they build regional plans that will ultimately shape settlement patterns and the infrastructure that supports them. You'll learn about how watershed planning and land use planning are being integrated to achieve a balance between ecologic, economic and social objectives. At the local level, you will hear from industrial proponents, land owners and city managers as they explain how the new planning framework affects day-to-day decisions and the design of new projects and communities. Finally, you'll learn about some of the innovative approaches and partnerships that are bringing new resources and solutions to achieve the better balance that the planners and builders seek.

It's safe to say that planning in Alberta is undergoing a renaissance. The 2008 Water and Land Conference brings together many of the architects of this renaissance in an informative and engaging setting. Hopefully you'll be able to join us.

We look forward to seeing you there.



Bill Berzins, M.A.Sc., P.Eng
President, Fossil Water Corporation
Chair, Bow River Basin Council



Richard C. Secord
Partner
Ackroyd LLP

WHO SHOULD ATTEND

From Oil and Gas, Energy and Other Resource Sectors:

- Presidents, Vice-Presidents, Directors and Managers of:
 - Sustainable Development
 - Regulatory and Government Affairs
 - Environmental, Health and Safety
 - Land Use and Planning
 - Risk Management
 - Business Development
 - Project Development

And

- Land Use Planners
- Developers and Land Owners
- Environmental Consultants and Associations

- Hydrologists/Hydrogeologists
- Environmental Lawyers
- ADR Specialists
- Corporate Counsel
- Regional and Municipal Planners
- Municipal, Provincial and Federal Regulators
- Policy Analysts
- Urban Planners and Land Developers
- Aboriginal Group Representatives
- Watershed Planning and Advisory Council Members
- Academics and Researchers

MONDAY | DECEMBER 8, 2008

8:00 | 9:00

Registration and Continental Breakfast

9:00 | 9:10

Welcome and Opening Remarks from Co-Chair

Richard C. Secord, B.A., LL.M.
Barrister & Solicitor
Ackroyd LLP

9:10 | 10:00

KEYNOTE PRESENTATION

Land-use Framework: Where Are We Now? Where Are We Headed?

Morris Seiferling
Assistant Deputy Minister
Sustainable Resource & Environmental Management

10:00 | 10:45

Alberta's New Wet Areas Mapping Initiative: A Cost Effective Approach to Ensure Sustainability

Dr. Barry White, R.P.F.
Forest Management Specialist
Alberta Sustainable Resource Development

Alberta's new "Wet Areas Mapping Initiative" is a key strategy to ensuring the sustainability of the land and water interface. This innovative planning approach was developed by researchers at the University of New Brunswick and validated for use in Alberta.

This presentation will provide an overview of the key elements of this initiative including:

- How map products predict the location of small water bodies such as ephemerals and wet areas which are not currently known to resource planners but yet are very sensitive to disturbance
- Status update on the current efforts underway to map approximately 7 million hectares of forested lands in the Foothills region of Alberta

10:45 | 11:00

Networking Coffee Break

11:00 | 12:15

Wood Buffalo Region: Mining Challenges (Fort McMurray)

Mine Land Disturbance: Management for Sustainability

Calvin Duane, P.Ag., R.P.F.
Manager, Environment
Canadian Natural Resources Limited

ERCB Oil Sands Mining Regulation/ERCB

Directives: Mine Inspection, Tailings Criteria and Landform Design

Stephen Smith
Manager
Energy Resources Conservation Board (ERCB)
Fort McMurray

CEMA Terrestrial Ecosystem Management Framework: Review

Barry Wilson, R.P.F.
Manager, Environmental Planning and Analysis
Silvatech Consulting Ltd.

12:15 | 1:00

CASE STUDY

Land Use Conflict in Upgrader Alley – Alberta's Industrial Heartland

Richard C. Secord, B.A., LL.M.
Barrister & Solicitor
Ackroyd LLP

In this case study, the legal challenges surrounding land use in Upgrader Alley will be discussed, including:

- Does prime agricultural land need to be used for upgraders?
- The proximity of upgrading operations to landowners
- How upgrader technology choices can impact local residents
- Upgrader EIA study areas for the base, application and future cases
- Air pollution resulting from new upgrader emissions
- Update on human health concerns including noise pollution, light pollution and water
- Infrastructure and land use
- Emergency response
- Socio-economic effects

1:00 | 2:15

Networking Luncheon

2:15 | 3:15

Aboriginal Water and Land Management Challenges

R. Lee Francoeur

Partner

Maurice Law Barristers & Solicitors

Ron. S. Maurice

Senior Partner

Maurice Law Barristers & Solicitors

- Brief overview of law on water and riparian rights
- Aboriginal and treaty rights to water
- The duty to consult and accommodate in the context of water uses
- Reconciling competing legal and policy considerations through negotiated agreements

3:15 | 3:30

Networking Refreshment Break

3:30 | 4:45

PANEL

North Saskatchewan Industrial Heartland Upgrader Challenges

Moderator:

Richard C. Secord, B.A., LL.M.

Barrister & Solicitor

Ackroyd LLP

Integrated Watershed Management Planning for the North Saskatchewan River Basin

Gordon Thompson, P. Eng.

Technical Program Coordinator

North Saskatchewan Watershed Alliance

Capital Region Planning Process

Kathleen LeClair

Chief Officer

Capital Region Board

Industry and Community Collaboration

Neil Shelly

Executive Director

Industrial Heartland Association

4:45

Conference Adjourns for the Day

TUESDAY | DECEMBER 9, 2008

8:15 | 9:00

Continental Breakfast

9:00 | 9:15

Opening Remarks from Co-Chair

Bill Berzins, M.A.Sc., P.Eng

President, Fossil Water Corporation

Chair, Bow River Basin Council

9:15 | 10:00

KEYNOTE PRESENTATION

The Alberta Water Council: A Multi-Stakeholder Approach To Developing Provincial Water Policy Recommendations

Gordon K. Edwards

Executive Director

Alberta Water Council

10:00 | 10:15

Networking Coffee Break

10:15 | 11:15

SPECIAL PRESENTATION

Water and Land Impacts of Rapid Tar Sands Development

Andrew Nikiforuk

Business Reporter, Landowner,

Author of Tar Sands: Dirty Oil and the Future of a Continent

11:15 | 12:15

CASE STUDIES

Innovative Approaches: Achieving Greater Natural Resource Sustainability

Chris Godwaldt

Deployment Program Manager

Alberta WaterSMART

Private Public Solutions to Better Water Management

- Snapshot of Alberta's changing water paradigms, south, central, and north
- Project case studies:
 - Southern Alberta – municipal /oil and gas partnerships
 - Central Alberta – Alberta's Industrial Heartland – A centralized water/wastewater solution, and the opportunity for municipal synergies
 - Northern Alberta Oil Sands social license to operate

- Land developments pushing legislative boundaries to further water sustainability
- Industrial cooling, an opportunity finally of age?

*Market-Based Protection of Watersheds:
Pilot Project with SSRB*

Alan Gardner
Executive Director
Southern Alberta Land Trust

Alan Gardner and Preston Manning are proposing the use of conservation easements as a mechanism for protection of watershed values on private land. They are conducting a pilot project within the South Saskatchewan River Basin that draws upon experiences in other jurisdictions and will share their progress, including:

- The Market-Based Conservation initiative
- Investigation into specific methods to bring the power of market incentives, pricing mechanisms, and entrepreneurial creativity to bear on protecting our watersheds and waterways
- Promoting market-based instruments for conservation

12:15 | 1:30

Networking Luncheon

1:30 | 2:15

BC and Alberta: Federal Jurisdiction Over Water and Interprovincial Water Aspects

Clifford G. Proudfoot
Partner
Lawson Lundell LLP

- Overview of Federal and Provincial jurisdiction over interprovincial waterways
- Priority rights of water users on inter-provincial waterways
- Conflict resolution of water users on interprovincial waterways

2:15 | 3:00

Oil Sands: Future Challenges – Future Opportunities

Donald Thompson
President
The Oil Sands Developers Group (OSDG)

- Overview of oil sands social and economic contributions and potential
- Risks and challenges

- Land – use, reclamation, remediation
- Water – use and protection
- Looking ahead

3:00 | 3:15

Networking Refreshment Break

3:15 | 4:45

PANEL

Bow River Basin: Urban Rural Challenges

Moderator:

Bill Berzins, M.A.Sc., P.Eng
President, Fossil Water Corporation
Chair, Bow River Basin Council

This panel discussion will focus on how new frameworks will change the face of development, including:

Bow River Basin Council: Regional Watershed Management Plan

Mark Bennett
Executive Director, Bow River Basin Council
Water Quality Objectives

Calgary Regional Partnership: Regional Land Use Plan

Linda Bruce
Chair, Calgary Regional Partnership
Mayor, City of Airdrie

City of Calgary – ‘Plan It’ Calgary: Green Infrastructure

Dick Ebersohn
Strategic Planner
City of Calgary

City of Calgary – Water Resources: Low Impact Development

Liliana Bozic
Watershed Engineer
City of Calgary

Application of Integrated Management to Community

Birol Fisekci
President & C.E.O
Bordeaux Developments Corporation

4:45

Conference Concludes

