

# **Under New Management? Oil Sands Development as if the Environment Mattered- April 8<sup>th</sup>, 2011**

Panel Members' Biographies

## **MODERATOR**

### **Dr. Andrew Miall**

Dr. Andrew Miall is a Professor of Geology at the University of Toronto, and the holder of the Gordon Stollery Chair in Basin Analysis and Petroleum Geology. He served as a member of the Environment Canada Oil Sands Science Advisory Panel, which reported last December, and is currently a member of the Alberta Environment Oil Sands Advisory Panel. Andrew served as President of the Academy of Science of the Royal Society of Canada, 2007-2009, and has been a reviewer and/or panelist for several prior Munk School forums on issues concerning energy, water, and the environment.

## **PANEL MEMBERS**

### **J. Owen Saunders**

J. Owen Saunders is Executive Director of the Canadian Institute of Resources Law at the University of Calgary, where he is also Adjunct Professor in the Faculty of Law and teaches public international law. His areas of research interest include natural resources law and policy, domestic and international environmental law, water law, trade law and international energy law. He is a frequent advisor to Canadian federal and provincial government departments, foreign governments and international organizations on issues related to the management of natural resources. He is also the author of numerous articles and books on natural resources law and policy.

### **Dr. David W. Schindler**

Dr. David Schindler holds the Killam Memorial Chair and is Professor of Ecology in the Department of Biological Sciences at the University of Alberta. His work on lakes has been widely used in formulating policies to control eutrophication and acid rain internationally. He received his doctorate from Oxford University, where he studied as a Rhodes Scholar. He has served as President of the American Society of Limnology and Oceanography, and as Canadian National Representative to the International Limnological Society. He is the author of over 300 scientific publications.

Dr. Schindler's has won numerous international awards including the G.E. Hutchinson Medal of the American Society of Limnology and Oceanography, the Naumann-Thienemann Medal of the International Limnological Society, the first Stockholm Water Prize (2001), the Volvo Environment Prize (1998), and the Tyler Prize for Environmental Achievement (2006). In 2001 he was awarded the National Science and Engineering Research Council's Gerhard Herzberg Gold Medal for Science and Engineering, Canada's highest scientific honor. In May 2009, he received the Royal Canadian Institute's Sandford Fleming Medal for public communication of science. In 2010, he was awarded the International Society of Conservation Biology's LaRoe Prize for application of science to environmental management and policy. In May of 2011, he will receive the Canadian Society for Ecology and Evolution's President's Award.

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Schindler is a Fellow of the Royal Society of Canada, the Royal Society of London, a member of the U. S. National Academy of Sciences, and a foreign fellow of the Royal Swedish Academy of Engineering Sciences. He has received ten honorary doctorates from Canadian and US universities. He is an Officer in the Order of Canada and a founding member of the International Water Academy. In 2008 he was appointed to the Alberta Order of Excellence. Trent University has recently named an endowed professorship in aquatic sciences after Schindler.

Schindler chairs the Board of Directors of the Safe Drinking Water Foundation, a small non-profit foundation that specializes in helping aboriginal communities with their water problems and in educating students about protecting freshwaters. He also chairs the International Review Committee for the Alberta Water Research Institute. His current research includes the restoration of mountain lakes stocked with alien fish species, the restoration of eutrophic lakes, and the effects of the oil sands industry on the Athabasca River.

## **The Honourable J. Michael Miltenberger**

J. Michael Miltenberger is one of the longest-serving Members of the Legislative Assembly of the Northwest Territories, serving the constituents of Thebacha since his election in October of 1995.

Mr. Miltenberger currently serves on Cabinet as Deputy Premier, Government House Leader, Minister of Finance, and Minister of Environment and Natural Resources. During his time in the legislature he has served in a number of other portfolios as well. Mr. Miltenberger also stands as Chair of the Financial Management Board and leads the Committees on Climate Change and Refocusing Government. Born in Ottawa March 17, 1951, Mr. Miltenberger was raised in the Northwest Territories since 1962. He earned a B.A. (Sociology) from the University of Lethbridge and later received his certification as a Journeyman Carpenter through Arctic College in Fort Smith. Prior to his election to the legislature Mr. Miltenberger worked for the GNWT and served as councillor and mayor for the Town of Fort Smith.

## **Chief François Paulette**

Chief François Paulette is Dene Suline and member of the Smith's Landing Treaty 8 First Nation. As Chief and vice-chief of the Dene Nation, he has fought for land and treaty rights such as in the historic Paulette case and the Berger Inquiry. Trained in Negotiations from the Harvard and Banff Schools of Management, he has been a negotiator and consultant for his and other Dene First Nations. François has spoken on Dene history and Aboriginal and Treaty rights, and has been called on to testify in the courts as an expert witness on Treaty 8, most recently in the Benoit taxation case. He was a founding member and Chairman of the Dene Cultural Institute in 1986. François has also worked as a cross-cultural trainer and facilitator for more than 20 years, and has collaborated on a number of Canadian and international documentary films.

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## **Dr. Joseph Rasmussen**

Dr. Joseph Rasmussen is a professor of biological sciences at the University of Lethbridge, and is also a Canada Research Council Chair in Aquatic Ecosystems.

Dr. Rasmussen's research has made a significant contribution to the development of isotopic tracer approaches to modeling energy flow in aquatic food webs based on fractionation and kinetics of isotopes that cycle through ecosystems. This has provided fresh insights and technical inroads into important ecological problems such as the biomagnification of persistent contaminants (e.g. mercury, PCBs, radionuclides), impacts of heavy metals and mining practices, sewage disposal, and other pressing environmental issues. Most recently Dr. Rasmussen has been applying these approaches to the conservation of native salmonids, where he has been examining their bioenergetics, life-history and spatial ecology within the Oldman River system.

Dr. Rasmussen serves as an Associate Editor for the Journal of Animal Ecology, and also has served on the editorial board of Water Air and Soil Pollution, is a member of the Canadian Society of Zoologists and serves as the chair of the Ecology, Evolution and Ethology section of the society. Dr. Joseph Rasmussen is also a regular contributor to the Canadian Conference for Fisheries Research (*CCFFR*) and the Canadian Society of Limnologists (CSL), and in 2001 he was chosen to be the Millennial Stevenson Lecturer by the CCFFR.

## **George Poitras**

George Poitras is a former Chief of the Mikisew Cree First Nation, a community located downstream from Canada's tarsands. As Chief, George successfully challenged the Canadian government on lack of consultation on a project that the government approved. This landmark decision that virtually changed the legal landscape in Canada and raised the standard for government consultation with First Nations was handed down in a unanimous 9-0 decision on November 24th, 2004. George has tirelessly advocated on behalf of his community for the past four years on issues related to tarsands development including cancers and is now recognized internationally as a prominent spokesperson not only for his community but on the tarsands generally.

## **Dr. Monique Dubé**

Dr. Monique Dubé, aquatic ecotoxicologist and Canada Research Chair in Aquatic Ecosystem Health Diagnosis, has established herself as a world leader in integrated water resource management and watershed-scale cumulative effects assessment. Her work has influenced federal legislation, national environmental impact assessment practices, and cumulative effects assessments for Canadian freshwaters, and contributed to patented technology for wastewater treatment within the pulp and paper industry.

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On a global scale Dubé's ability to integrate information over broad spatial and temporal scales has resulted in recognition and invited membership on Scientific Advisory Panels for UNEP (Development of Global Biodiversity Indicators, World Conservation Monitoring Centre; Global Environment Monitoring Program), UNESCO (Chair, Education and Capacity-Building Task Force on Ecohydrology, International Hydrological Programme), and Canada/US Partnerships (Long-term Receiving Water Study, United States National Council for Air and Stream Improvement).

Dubé has developed The Healthy River Ecosystem Assessment System (THREATS), software that identifies "hotspots" for assessing and managing Canadian watersheds towards sustainability.