

Technical Luncheon Series  
Thursday November 12, 2009  
11:45 a.m. to 1:00 p.m.

Edmonton World Trade Centre  
6<sup>th</sup> Floor, Boardrooms A&B  
9990 Jasper Avenue, EDMONTON

## TECHNICAL LUNCHEON SERIES

***Presented with generous support of the:***

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Industry Development Branch

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**Title:** **Water Issues in the Mineable Oil Sands: Water quality and quantity status monitoring, and emerging management directions.**

**Speaker:** Dr. Preston McEachern, Q.E.P., Section Head, Science, Research & Innovation  
Oil Sands Environmental Management Division, Alberta Environment

The talk will provide an overview of Provincial and public-industry monitoring in the oil sands region, the water quality status of the Athabasca River in the region and summarize the seepage issues of tailings ponds. Dr. Preston's intent is to provide the context on how seepages are currently being managed and why the risks are considered to be negligible. The talk will be an overview of emerging policy initiatives and their integration in an emerging water and tailings management framework and provide details on water quality and quantity criteria designed to achieve sustainable use of water and progressive reclamation.

**Preston** has been with AENV for 7 years, 5 of which were with the Northern Region tackling oil sands related issues with his four-member team of water quality specialists. Over the past 1.5 years he has been a section head for the Oil Sands Environmental Management Division. He has played a key role in five oil sands mine hearings and built an effective group for addressing the wide-ranging water issues that challenge AENV every day. He has participated in groups such as CONRAD, RAMP and CEMA and was chairman for groups with a surface water quality focus. Preston continues to be active in research with adjunct professor appointments at the University of Alberta in Civil and Environmental Engineering and in Renewable Resources. Preston also brings international experience to the Department, having lived and worked in southwest Asia, Africa and the USA. Preston is an avid outdoor enthusiast with a passion for mountain climbing, running and skiing.

**Parking:** Surface lots are available close to the Edmonton World Trade Centre or use the Edmonton Public Library underground lot adjacent to the Westin Hotel

**Cost:** \$25.00 Members / \$35.00 Non-Members or On-site Registration

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