

Short Course

Name of Short Course:	Fundamentals of Oil Sands Tailings
Date:	Saturday, September 17, 2011
Time:	8:30 am – 4:30 pm
Location:	Fairmont Chateau Lake Louise / Saddleback Room
Registration Fee:	\$350 (CDN)
Facilitated by:	<i>Jeremy Boswell, John Sobkowicz, Carlo Cooper, Al Hyndman</i>
Language:	English

Short Course Description:

This one-day short course is aimed at recent graduates and professionals wishing to gain exposure to current geotechnical and related issues in Oil Sands tailings. This session is likely to attract strong industry interest, gauging from the interest in a similar topic that was the subject of a keynote address by John Sobkowicz at Tailings and Mine Waste 2009 in November 2009 in Banff.

Short Course Objectives:

The course will include:

1. Background to Oil Sands tailings practices, nomenclature, definitions; a brief illustrated history of tailings management practices.
2. The Oil Sands Tailings Technology roadmap: how tailings are produced; properties of tailings; the ternary diagram.
3. Current issues and challenges in oil sands tailings; ERCB Tailings Directive 074.
4. Primary technology options for the treatment and disposal of Oil Sand fine tailings. Current experience with field trials. Thin lift dewatering.
5. Definition of tailings planning; integration with other disciplines; tailings properties and parameter selection. Factors controlling tailings planning:
6. Big Picture Thinking in Oil Sands Tailings. Environmental and public aspects of Oil Sands tailings.

Target audience:

Recent graduates and professionals wishing to gain exposure to current geotechnical and related issues in Oil Sands tailings

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About the instructors:

The course will be presented by Dr. John Sobkowicz and Mr. Jeremy Boswell of Thurber Engineering, Calgary, Mr Al Hyndman of Magnus, and Mr. Carlo Cooper, of Wruffware Ltd, Tailings Planners.

John Sobkowicz has 35 years of geotechnical experience, the majority of which has been related to oil sands tailings. Dr. Sobkowicz is an active member of four oil sands geotechnical review boards (Syncrude, Suncor, CNRL and Shell), and has authored over 60 papers in the fields of tailings, geotechnical engineering and dam design.

Jeremy Boswell holds a Masters degree in geotechnical engineering, has 30 years of international tailings engineering and environmental management experience, and has published over 40 papers in the fields of tailings and geotechnical engineering, waste management, public participation and environmental assessment.

Al Hyndman is an independent consultant with over 40 years of experience in the Oil Sands sector, having worked on a wide variety of major Oil Sands projects. A recent focus of his work has been in the selection of technology options for the treatment of fluid fine tailings in the Oil Sands.

Carlo Cooper is an independent tailings planner based in Calgary, AB and currently works with oil sands mining companies and mining consultants across Canada. Mr. Cooper has been developing tailings plans for mine operations around the world since 2001 and has developed specialist 3D models, which he uses to simulate a wide variety of tailings types and facility configurations.

Equipment required:

None Required

Materials provided:

Copies of presentations and course binder