



**This is your chance to bring your lunch and join in on some interesting and informative video conference sessions on current issues related to energy and environment!**

Participation will allow you to:

- √ Network with others in the province with similar interests,
- √ Access current information on problems and solutions for the environment,
- √ Learn about research and innovation activities within the AACTI network,
- √ Hear about the benefits of becoming more involved in applied research, and
- √ Identify funding opportunities.

**Stay tuned for upcoming  
videoconferences every month  
from January-May, 2009.**

Discussion topics will include:

- Soil Remediation
- Water Quality
- Climate Change
- Renewable Energy
- Carbon Sequestration
- Waste Management
- Air Emissions

AACTI welcomes feedback on your topics of interest and potential speakers, so please provide your suggestions!

**Sign Up Now**

### How to Participate:

Register for the VC before **Tuesday March 31st** and arrangements will be made for your login.

To register contact  
Tanya McDonald at  
403-507-7973  
or email Tanya at  
[tmcdonald@oldscollge.ca](mailto:tmcdonald@oldscollge.ca)

### Video Conference #4

## Regarding Water

**Date: Thursday April 2, 2009**

**Time: Noon to 1pm**



### Enteric Parasites in Water: How to Turn Poop into Money, *Peter Wallis, Medicine Hat College*

Outbreaks of waterborne giardiasis took place over 20 years ago in resort towns like Banff and Vail which had pristine water supplies but minimal treatment. This started many investigations into where the parasites came from, how can they be killed or removed from water, how are they transmitted etc. In the large cryptosporidiosis outbreak that took place in Milwaukee in 1993 over a hundred people died and there was great economic loss. This led to the development of better monitoring tools for the detection of parasites and huge monitoring programs in North America, Europe and Australia. A whole new field of applied research opened up dealing with questions about transmission from animals, water treatment technologies and improved detection in clinical and environmental samples. Today, many of these problems have been solved in the settled portions of developed countries but little has been done in Asia, Central and South America and Africa. Even Canada's north faces challenges, mostly because of the difficulty in providing adequately treated water in small communities. There is still much to be done.

### Watershed Planning and Advisory Councils: How the Community can be Involved, *Bob Phillips, Executive Director, South East Alberta Watershed Alliance group*

The objectives of the *Water for Life* strategy of Alberta Environment include both the protection of our water resources and sustainable use for the future. WPACs have been formed at the local level for most of the major river system catchment areas in Alberta with funding from Alberta Environment and other sources. Their ultimate purpose is to provide leadership in watershed assessment and planning but more immediately to assemble information on all issues concerning water to enable informed decisions. The South East Alberta Watershed Alliance, our local WPAC, was formed in April 2007 as a non-profit society devoted to the study and preservation of our water resources in the South Saskatchewan River Basin. The Board has representatives from a range of industry, government, academia and water users and is engaged in the preparation of a State of the Watershed report that will summarize as much information as can be gathered. SEAWA will hold its second Annual General Meeting on April 17 and all interested parties are invited.