

## Clean Technology Choice Ground Effects Environmental Services Inc.



Ground Effects Environmental's mobile treatment set-up will virtually eliminate the need for trucking waste water off-site.

Dirty to clean. Frozen to thawed. Whether it's treating frac flowback wastewater and invert drilling mud onsite or thawing frozen tailing ponds, Saskatchewan-based **Ground Effects Environmental Services Inc. (GEE)** provides innovative solutions for its clients.

Since 1998, the company has proven itself as an industry leader using electro-kinetics and associated technologies. They help the oil and gas and mining industries in Western Canada solve unique problems with their patented technologies and groundbreaking in situ remediation technologies.

GEE's leading-edge solutions earned the company a visit from His Royal Highness Prince Charles in May. "[Ground Effects was] the only private company the Prince visited during his trip to Canada" notes Sean Frisky, the company's founder and CEO. Prince Charles was most intrigued by a cutting-edge product from GEE's R&D and manufacturing teams - **ELECTROPURE**.

The ELECTROPURE system is an environmentally sustainable mobile treatment for frac flowback water. Normally, frac flowback water is trucked miles offsite to be treated and fresh water is trucked onsite to supply ongoing operations. The ELECTROPURE system uses a chemical-free

process to treat frac flowback for re-use onsite and a vacuum enhanced two-stage electrolytic treatment process. "This system changes the status quo," explains Frisky. "Our aim is to make trucking waste water offsite for treatment obsolete."



GEE founder and CEO Sean Frisky with His Royal Highness Prince Charles.

GEE's technology advancements don't stop there. Their team aims at treating invert drilling mud onsite for the oil and gas industry with the **Electrical Separation Cell (ESC)**. The ESC uses proprietary technology to remove ultrafines and oiling fluids (hydrocarbons) from invert drilling mud. The first commercial model will be tested in October, 2012.

"Our team likes to take on the toughest

of the tough problems," comments Frisky. "If we can provide solutions to our clients' worst problems...we provide them with even more value and success."

Industry has started to take notice. GEE's innovations have garnered the interest of major industry corporations such as Tervita Corporation. Tervita Corporation is a leading North American environmental and energy services company that believes research, technology and innovation are the drivers that will answer today's most challenging environmental and waste management questions. Tervita and GEE have teamed up in a joint research partnership to develop leading edge technologies to solve major environmental/waste management issues facing the energy industry. "Tervita is always on the lookout for innovative technologies to solve industry challenges," notes Jeremiah Lindstrom, manager of research and development at Tervita. "Combining the collective know-how of our two corporations to jointly develop a technology and to solve industry challenges made perfect sense."

For more information on GEE's innovative technologies and services or to book a pilot project, please visit their website at

[www.GroundEffects.org](http://www.GroundEffects.org)

*There are few career relationships that are as important as one with a Mentor.*



CETAC-WEST CEO, Joe Lukacs (far right) welcomes Oleh Hnatiuk, Keith Brown, Walter Saponja and Walter Kmet to his Millarville ranch for a friendly afternoon of horseshoes and well-deserved relaxation. Let the games begin!

CETAC-WEST owes much of their success to a team of dedicated Mentors. The Team Mentoring program strategically pairs companies that have completed the CETAC-WEST process and have progressed to the growth stage of development.

In this program, each SME receives personal mentoring from a carefully chosen team of two or more seasoned business professionals. SMEs that have continued to evolve beyond pure mentoring then gain opportunity to receive a more long-lasting program through the CETAC-WEST Advisory Boards.



## Mark Your Calendar for CETAC-WEST's Upcoming Events

### JOE'S JINGLE MINGLE

**Date:** December 5, 2012  
**Location:** Main Lobby  
AITF Building  
3608 - 33 Street NW  
**Time:** 4 to 6 pm

### ENTREPRENEUR TO CEO WORKSHOP

**Date:** February 11 - 15, 2013  
**Location:** The Banff Centre  
Banff, AB

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**CETAC-WEST**

CETAC-WEST is a private sector, not-for-profit corporation committed to helping small and medium-sized enterprises (SMEs) engaged in the development and commercialization of new environmental technologies.

Established in 1994, CETAC-WEST delivers its services to SMEs in the four western provinces through its office in Calgary. The corporation is part of Alberta's Regional Innovation Network and is supported by the Province of Alberta, Environment Canada and other federal departments. CETAC has formed linkages between technology producers, industry experts and investment sources to facilitate this process.