



ENVIRONMENTAL SERVICES ASSOCIATION OF ALBERTA

# ESAA

# Weekly News

An Information Service for the Alberta's Environment Industry

The Week Ending December 23<sup>rd</sup>, 2011

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### Inside this Issue:

- Province Suspends Waste Intake at Edmonton Compost Plant
- Encana Cities 'Critical Mistakes' in US EPA's Fracturing Study
- Important ESAA Event Dates
- New Member
- Job Board
- and much more ....



**Happy Holidays  
Enjoy the Season**

On behalf of the ESAA Board of Directors and Staff, thank you for your support in 2011.

Wishing you and yours a very Merry Christmas and all the Best in 2012!

In lieu of cards and a Christmas Open House, ESAA has made donations to the Edmonton Christmas Bureau and the Calgary Food Bank.

### ESAA HOLIDAY HOURS

The ESAA Office will close at noon on December 21<sup>st</sup> and will reopen at 8 am on January 3<sup>rd</sup>, 2012.

### ESAA MEMBERSHIP FEES DUE

Membership renewal notices have been mailed and membership fees are **not** increasing for 2012. Payment of membership fees is due by **no later than January 31<sup>st</sup>**.



**The ESAA Weekly News is published weekly by:**

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Comments & submissions are welcome!

Please submit your announcement via e-mail to:  
[weeklynews@esaa.org](mailto:weeklynews@esaa.org)

**...environmental integrity through innovative business solutions**

# Environment Business



## **ENVIRONMENT BUSINESS 2012 - REGISTRATION UPDATE – 55% FULL**

February 14-16, 2012

Edmonton Marriott @ River Cree Resort and Casino

The following is an update on the number of spaces remaining in each of the courses being offered during ESAA's Environment Business Professional Development courses (**EB 2012**), **is now open**.

There is a limited of 25 registrations per course and courses are filling at a record pace.

### **February 14, 2012 - One Day Courses**

- *Soil Chemistry for Remediating Salt-Affected Soils* - **13 spots remaining**
- *An Introduction to Environmental and Regulatory Law* - **21 spots remaining**
- *Introduction to the Federal Fisheries Navigable Waters Protection Acts* - **18 spots remaining**
- *Waste Classification and Disposal in Alberta* – **SOLD OUT**
- *Environmental Chemistry for Site Reclamation and Remediation Made Easy* - **6 spots remaining**
- *Business and Project Risk Management of Contaminated Sites* - **17 spots remaining**
- *Sustainability Reporting* - **22 spots remaining**

### **February 15 & 16, 2012 – Two Day Courses**

- *An Introduction to Using Groundwater Models in Contaminated Site Assessment and Remediation Design* - **20 spots remaining**
- *Contaminant Hydrogeology* - **11 spots remaining**
- *Basic Mold Awareness* - **25 spots remaining**
- *Air Quality Management* – **18 spots remaining**
- *Environmental Project Management Planning Essentials*- **22 spots remaining – 9 spots remaining**
- *Internal Auditor's Course on Environmental Management Systems as per ISO 14001:2004* – **21 spots remaining**

**Complete courses descriptions and on-line registration available at: [www.environmentbusiness.ca](http://www.environmentbusiness.ca).**

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## **ESAA Events – Important Dates**

- **[EB 2012](#)** – February 14-16
- **[WaterTech 2012](#)** – Early Bird Registration Offer Ends January 6<sup>th</sup>
- **[WaterTech 2012](#)** – Call for Abstracts – Deadline January 6<sup>th</sup>
- **[RemTech 2012](#)** – Early Bird Registration Offer Ends February 3rd

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### **PROVINCE SUSPENDS WASTE INTAKE AT EDMONTON COMPOST PLANT**

Edmonton... The Government of Alberta has issued an Enforcement Order to Cleanit Greenit Composting System Inc. and Kristin Castro-Wunsch for not complying with the *Environmental Protection and Enhancement Act* and the Code of Practice for Compost Facilities, and to address the facility's off-site odour issues.

The terms of the enforcement order require Cleanit Greenit to stop accepting waste and prepare several reports and plans, including a survey report of the lands, a material characterization report, a site rehabilitation plan, a pond rehabilitation plan, a soil impact delineation report, and an updated operations plan. These reports and plans will ensure compliance with the legislation, the Code of Practice for Compost Facilities, and industry guidelines and best management practices.

Alberta Environment and Water has been working with Cleanit Greenit to address ongoing odour issues. The province, City of Edmonton and ATCO Gas have received numerous odour complaints about the facility.

In 2011, Alberta Environment and Water's investigation revealed that the Cleanit Greenit facility accepted more than 20,000 tonnes of waste in 2010 - an amount that requires an operating approval under provincial law - and was not following standard industry guidelines or best practices at its facility.

Alberta Environment and Water focuses on education, prevention and enforcement to ensure all Albertans continue to enjoy a clean and healthy environment. When individuals or companies fail to comply with legislation, government has a range of options depending on the offence. Enforcement orders are issued under the authority of Alberta's *Environmental Protection and Enhancement Act* to ensure immediate action is taken to correct a situation.

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### ***ERCB ISSUES SECTION 106 DECLARATIONS NAMING TWO OIL EXECUTIVES***

Calgary... In Decision 2011 ABERCB 037, the Energy Resources Conservation Board (ERCB) has issued Declarations which name Marc R. Dame and Murray F. Craig under Section 106 of the Oil and Gas Conservation Act (OGCA) after a process that included a public hearing.

The ERCB has the authority under the OGCA to issue a declaration naming persons (directors, officers, agents or other persons) in control of licensees, approval holders or working interest participants that have failed to comply with Board Orders, or which have outstanding debts to the ERCB, or to the Orphan Fund with respect to incurred suspension, abandonment, and reclamation costs.

The ERCB has determined that Dame and Craig were persons in direct or indirect control of Legacy Petroleum Ltd. when it contravened ERCB requirements and failed to comply with Board Orders. The ERCB has also determined that Dame was a person in direct control of Matrix Resources Ltd. when it contravened ERCB requirements and failed to comply with Board Orders.

As a result, the ERCB has issued declarations under Section 106 of the OGCA naming Dame and Craig as outlined in Decision 2011 ABERCB 037.

The declarations carry with them a number of restrictions, including:

- The ERCB may refuse to consider any application from Dame or Craig, or any company over which Dame or Craig, in the opinion of the ERCB, is a director, officer, agent or other person in direct or indirect control, for an identification code, licence, or approval or a transfer of a licence or approval under the OGCA or the Pipeline Act.
- The ERCB may suspend operations of a licensee or approval holder under the OGCA or a licensee under the Pipeline Act over which Dame or Craig, in the opinion of the ERCB, is a director, officer, agent or other person in direct or indirect control.

The declarations are in force immediately and will remain in force against Dame until December 31, 2019 and against Craig until December 31, 2016.

The full document can be viewed at: <http://www.ercb.ca/docs/documents/decisions/2011/2011-ABERCB-037.pdf>

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### ***SRD LANDS AND FORESTRY FIRST NATIONS CONSULTATION OPERATING PROCEDURES***

SREM Aboriginal Affairs Branch (SAAB) would like to extend the invitation to the companies your association represents to participate in an information session on the Sustainable Resource Development Lands and Forestry First Nations Consultation Operating Procedures (Operating Procedures). The Operating Procedures provide internal direction to GoA staff to help understand the necessary steps in the consultation process and to ensure that the steps are followed consistently. SAAB is offering information sessions on the Operating Procedures to improve understanding of the Sustainable Resource Development (SRD) First Nation consultation processes. The presentations are generally 1.5 hours in duration.

Presentation Outline:

- SREM Aboriginal Affairs Branch history and organizational structure
- Online review of the SRD external web site pertaining to consultation with First Nations
- On screen review of the Operating Procedures (Internal Document)

Should the companies you represent have an interest in the Operating Procedures, SAAB would like to work with your association to determine a suitable time and place for an information session. If you have any questions, or would like to discuss further, please contact Alanda Skrzekowski at [alanda.skrzekowski@gov.ab.ca](mailto:alanda.skrzekowski@gov.ab.ca).

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## ***ENCANA CITES 'CRITICAL MISTAKES' IN U.S. EPA'S FRACTURING STUDY***

### **Natural gas giant to submit own findings to U.S. environmental agency**

(Source: Calgary Herald) CALGARY — Encana Corp. and the U.S. Environmental Protection Agency faced off Tuesday over a report linking natural gas development with contaminated water in the tiny hamlet of Pavillion, Wyoming.

Encana picked apart the Dec. 6 EPA report fingering hydraulic fracturing as the probable culprit tainting water in Pavillion during a conference call with the media Tuesday.

The second largest producer of natural gas in North America called for an independent review of the report, at the same time blasting the agency which re-leased it.

"It is our belief that the EPA made critical mistakes and misjudgments at almost every step in the process," David Stewart, environment, health and safety lead for Encana's Wyoming operations, told reporters.

"From the way it designed the study to the way it drilled and completed its wells, to the way it collected and interpreted the data, to its decision to release a preliminary draft report without independent third-party review," Stewart said.

The disputed EPA results were based on samples taken from two deep wells drilled in Pavillion last fall and in April taken after residents complained of foul smelling and tasting water.

The samples found traces of methane, benzenes and of chemicals used by industry to force natural gas and oil from tight reservoirs in the earth. Encana attributed the presence of chemicals such as alcohol, glycols and potassium chloride in the water samples to contaminated laboratory testing or poor wellbore management by the agency itself.

The company noted the compounds had not been found in resident's water wells, saying some residential wells likely were contaminated by bacteria or naturally occurring levels of methane, the largest component of natural gas.

Encana said it would be submitting a detailed report on its wells to the EPA by Jan. 27, when a 45-day public comment period closes.

The EPA report also is subject to a 30-day peer review period.

Tuesday, the Washington-based environmental agency defended its findings, reiterating the chemicals found were common to hydraulic fracturing, were not naturally occurring, and had been used in the Pavillion field.

The EPA also disputed the two monitoring wells drilled in October 2010 and April 2011 had contaminated the aquifer, saying chemicals detected in the tests were not used in well construction.

"All but one of the organic compounds detected in our monitoring wells were not detected in the additives, and the one that was detected (isopropanol) was almost two orders of magnitude lower than in the monitoring well," the agency said in an e-mail.

"As a result, EPA concluded that the drilling additives did not influence the deep monitoring well results."

Hydraulic fracturing has been used for de-cades by industry but recently with more frequency in combination with horizontal drilling to unleash shale gas and tight oil reserves.

The report's release last week sparked a wave of concern by environmental groups opposed to hydraulic fracturing, and from industry worried a public backlash could halt unconventional oil and gas development.

"I think one of the things we have to do is make sure Canadians have information that is relevant to circumstances in Canada, operating practices in Canada, experiences in Canada," said David Collyer, with the Canadian Association of Petroleum Producers.

Collyer was optimistic in opposition to fracturing would not affect industry growth in regions such as Western Canada where oil and gas activity is entrenched in the culture.

He acknowledged public concerns about water quality and noted industry was developing operating practices which incorporate baseline monitoring of water before activity starts for increased accuracy in monitoring above and below groundwater sources.

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### ***NITROGEN FROM HUMAN ACTIVITY HAS POLLUTED REMOTE LAKES***

(Source: Canadian Press) REGINA — If you ever wanted to visit a pristine Arctic lake, you're probably about 100 years too late.

A study involving 13 universities and research institutes, including two from Canada, has found nitrogen resulting from human activities has polluted remote lakes throughout the northern hemisphere for more than a century.

Simply put, burning fossil fuels and using agricultural fertilizers increases the amount of nitrogen in the atmosphere. The gas finds its way into lakes through rain or snow.

"Normally you'd think (gases would) be diluted in the vast quantity of atmosphere. There just wouldn't be a clearly measurable signature," said Peter Leavitt, a professor at the University of Regina, who was part of the study.

"And that's what's so surprising about these studies. Even in sites that are thousands of kilometres away from everything, we're seeing evidence of this atmospheric pollution, when there's just nothing around there in any direction that could have caused it."

The scientists, who also included researchers from the University of Alberta, measured the chemical composition of bottom deposits in 33 lakes from Colorado to the High Arctic and as far away as Norway.

Leavitt, who is the Canada Research Chair in Environmental Change and Society at his university, said the project was like aquatic archeology.

The scientists shoved a plastic tube into the mud at the bottom of a lake and pulled it out. They divided the tube into sections and estimated the age of each section by looking at the radioactive particles that occur naturally in the atmosphere.

Newer material is at the top and older material at the bottom.

Leavitt said more than three-quarters of the lakes showed signs of human-made nitrogen.

"The interesting wrinkle here is most of the lakes, particularly the ones in Canada, well up north of 60 (degrees latitude), are all thousands of kilometres from the nearest source of pollution," he said.

"It's not that somebody walked over and dumped nitrogen into the lakes."

Most previous studies point have looked at local sources of pollution.

One study found Regina's Wascana Creek has nitrogen levels over the maximums set by the World Health Organization. Another found Lake Winnipeg has dangerously high levels of nitrogen and phosphorus, which produce blue-green algae blooms so large they are visible from space.

But that's not necessarily a surprise given their nearness to populated areas.

"This is quite a different story," Leavitt said. "This is saying that humans have had effects for over a 100 years in some of the most remote ecosystems on the planet."

Leavitt also said if the changes in remote lakes were due to climate or local effects, there would have been a difference in when the nitrogen started to show up. That's not the case.

"The other piece of this that's important is that the timing is virtually identical in all the lakes -- about 110 years ago...just after the second industrial revolution. That's when you see the signature of the change in all the sites," he said.

"They're all doing it at exactly the same time, which is consistent with the atmosphere fundamentally changing."

Researchers warn such global nitrogen pollution may interact with climate change to produce a double whammy that could alter remote lakes in ways not seen in the last 10,000 years.

The input of nitrogen into the lakes changes the microbes that regulate greenhouse gas emissions, take gases out of the atmosphere and cycle nutrients. Leavitt calls them the "the building blocks of the food web in the lake."

"We don't know that it's changed to this point, but certainly we're seeing evidence that...the foundation of the food web is starting to change. And usually when you change a foundation, like in an earthquake, when the foundation starts shaking, it's not good news."

Nitrogen is a vital nutrient for life. Farmers apply fertilizers containing it to bolster food crops.

The U.S. Environmental Protection Agency says humans already have doubled the rate of nitrogen released into the biosphere since 1950. Leavitt warns that level will only increase as the world's population grows.

"We're going to have three billion more people on the planet within about 50 years. We want to feed them, we have the moral imperative of feeding them and we're going to do it by slathering on more and more levels of fertilizer," Leavitt said.

"The best prognosis, the best forecast if you want, of that nitrogen use is that it's going to double again from present values in the next 50 years, so this signature is really just the start of what is almost certain to follow."

The study appears in Friday's issue of the journal *Science*.

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### ***EPA SUED FOR ALLEGEDLY FAILING TO REGULATE OCEAN DUMPING OF PCBs***

(Source: Haz Mat Magazine) Conservation groups have filed a lawsuit challenging the U.S. Environmental Protection Agency's (EPA's) ongoing failure to adequately regulate a federal ship sinking program that pollutes the sea with toxic chemicals.

Earthjustice, on behalf of the Basel Action Network and Sierra Club, filed the lawsuit in U.S. District Court of Northern California on December 9, 2011.

The U.S. Navy's ship sinking exercise program, called SINKEX, uses decommissioned military ships for live-fire target practice as the Navy's preferred method of ship disposal, sinking a reported 109 ships at sea over the past decade alone. This method of ship disposal differs from the U.S. Maritime Administration's, as well as the private shipping industry's preferred method of ship recycling.

The suit claims EPA fails to adequately regulate the ocean dumping of toxic PCBs (polychlorinated biphenyls), a group of chemicals that are highly toxic and dangerous to human health. PCBs are contained in the obsolete ships used by the U.S. Navy for ship sinking exercises.

New data from a study in Florida supports the conclusion that PCBs, dumped during ship sinking exercises, are leaching from the sunken vessels and are entering the marine food chain. According to the study, this leads to PCB concentrations in fish that make them unsafe for human consumption.

In July 2011, the Basel Action Network and the Sierra Club petitioned EPA to regulate ship dumping more stringently. EPA failed to respond to the petition by the statutory deadline.

"The ocean dumping of our national fleet squanders natural resources that could otherwise be recycled, eliminates recycling job opportunities that could boost local economies, and poses unreasonable risk to the marine environment and to the people who derive their livelihood or recreation from it," says Colby Self of the Basel Action Network. "The EPA can no longer turn a blind eye to this arcane practice; we have given them full notice."

"Protection of our Nation includes protection of our ocean environment and all the species, including humans, who depend on the health of the ocean," says Dave Raney of the Sierra Club. "By strictly adhering to the law, we need not trade one for the other in the SINKEX exercises."

The lawsuit claims that EPA must initiate rules to regulate the marine disposal of PCBs during ship sinking exercises to protect human health and the environment against an unreasonable risk of injury.

The Basel Action Network and Sierra Club are advocates for responsible ship recycling in the U.S. that not only

serves to protect the environment and human health from toxic PCBs, but also creates recycling jobs and stimulates the local economy.

"EPA is legally required to keep dangerous chemicals like PCBs out of our oceans," says Amanda Goodin, an attorney with Earthjustice representing the Basel Action Network and Sierra Club. "It's time for EPA to make the Navy clean up its act."

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## ***New ESAA Members***

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ESAA's Board of Directors and staff would like to welcome the following new member:

**Full Member:**

**Microbial Insights Inc.**

2340 Stock Creek Blvd

Rockford, TN 37853

**Phone:** (865) 573-8188 ext. 101

**Fax:** (865) 573-8133

**Web:** [www.microbe.com](http://www.microbe.com)

Greg Davis, President

**e-mail:** [gdavis@microbe.com](mailto:gdavis@microbe.com)

Dora Ogles, Vice President

**Phone:** (865) 573-8188 ext. 107

**e-mail:** [dogles@microbe.com](mailto:dogles@microbe.com)

**Profile:**

Microbial Insights, Inc. (MI) is an environmental biotechnology company specializing in the development and application of cutting edge molecular biological tools (MBTs) to describe and quantify microbial communities. MI is dedicated to providing superior genetic and chemical diagnostic tools to aid our clients in understanding and managing biological processes ranging from bioremediation of chlorinated hydrocarbons to biofilm formation in drinking water systems.

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## ***Upcoming Events***

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**ASPB 2012 Conference  
Exploring the Boreal Forest:  
Oil Sands in Alberta**



**Join ASPB at our 2012 conference, as we explore the Boreal Forest in Alberta.**

At the Hyatt Regency, Calgary, AB  
On April 18 and 19, 2012

Potential topics include biophysical characteristics of the boreal forest, new legislation/regulations and regional plans, reclamation and closure, wetlands and water issues, species at risk and rare species, cumulative effects, and mitigation and monitoring.

For details, check out the [conference webpage](#).

We offer the following opportunities to get involved in this conference:

- [Submit an abstract or poster](#)
- [Rent a tradeshow table](#)
- [Sponsor the event](#)

If you have any questions, please contact us at [pbiol@aspb.ab.ca](mailto:pbiol@aspb.ab.ca).

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## Industry Positions Openings (14)

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For more information visit ESAA's Job Board under the news section of [www.esaa.org](http://www.esaa.org)

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*We are a major petroleum transportation, storage and natural gas liquids extraction business that ranks among the largest energy infrastructure companies in Canada. Inter Pipeline was named as one of Alberta's 50 Fast Growth Champions for 2010 determined by Alberta Venture. For more information about us, please visit our website at <http://www.interpipelinefund.com>*

### EMERGENCY PREPAREDNESS AND SECURITY ADVISOR

The Emergency Preparedness and Security Advisor is a professional role in the Environmental, Health, Safety (EH&S) and Compliance Group and is responsible for developing, maintaining and implementing programs that support the safe, reliable and compliant operation of Inter Pipeline Fund's assets. More specifically, the role supports pipeline and extraction operations by developing, maintaining, implementing and monitoring programs to promote industry-leading performance in emergency and security management as part of IPF's Operations Framework.

This position will be based out of our Calgary or Sherwood Park office.

#### Key Activities and Responsibilities:

- Act as subject matter expert for emergency preparedness and response
- Align emergency preparedness and response plans and security programs with corporate and departmental strategies and initiatives
- Conduct risk assessments to ensure adequate emergency and security preparedness throughout the organization
- Maintain and update emergency preparedness and response plans
- Adopt a key role in the Corporate Incident Command Team during emergency response and recovery events
- Inspect emergency facilities and equipment and ensure their operational and functional capabilities and readiness
- Plan, deliver and assess emergency response training and exercises
- Ensure the business is aware of relevant emergency related legislation and regulation to ensure compliance
- Develop and maintain liaisons with municipalities, county departments, and similar entities in order to facilitate plan development and response effort coordination
- Liaise with local emergency services to ensure emergency response plans are suitable
- Develop, maintain and manage the IPF physical security program
- Act as subject matter expert for security
- Upgrade physical security to address significant security risks
- Develop and implement security programs for physical assets and personnel

- Liaise and coordinate with IPF IT and SCADA groups with respect to information and cyber security

### **Education, Skills and Experience:**

- 3-5 years of relevant experience, preferably in the energy sector, and hold post-secondary certification in emergency or security management
- Demonstrated ability to work independently and schedule work and activities for efficient use of time and resources
- Excellent communication skills
- Proficient in the use of Microsoft Office
- Must possess and maintain a class 5 driving licence

If you are interested in this position please email a resume to [careers@interpipelinefund.com](mailto:careers@interpipelinefund.com) quoting reference number EMERG-ESAA.

*We thank all applicants for their interest; however, only those selected for an interview will be contacted.*

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## **Environmental / Air Quality Engineer (Intermediate to Senior)**

### **Amberg Environmental & Regulatory Consultants**

Amberg was founded in 1995 and currently has its main office in Calgary and a satellite office in Toronto. We have been engaged in numerous projects across Canada and Internationally over a wide range of industrial sectors. We are currently looking to expand our technical team in Calgary.

#### **We offer:**

- A less formal small-company atmosphere;
- A satisfying work/life balance; and
- A diverse client base and interesting projects.

#### **Qualifications (Ideal)**

- P.Eng., APEGGA member;
- Intermediate to senior level - 10 plus years experience;
- Excellence in written and verbal communication;
- Focus on accuracy and attention to detail;
- Strong technical and project management skills;
- Client care and business development sensitivity; and
- Familiarity with regulatory agencies.

#### **Duties**

- Focus will be on serving our clients and the following sectors:
- Oil & Gas / Oilsands;
- Refining / Upgrading / Petrochemicals;
- Power Generation;
- Pipelines;
- Forestry Products;
- Food Processing; and
- Infrastructure.

#### **Duties and responsibilities will include:**

- Managing multiple projects;
- Supervising and mentoring junior staff;
- Greenhouse gas (GHG) inventory development;
- GHG compliance report verification;
- Air quality modeling (eg; AERMOD, CALPUFF);
- Fugitive emission assessment and management;
- Audit programs;
- Preparing, reviewing, and editing technical reports; and
- Budget management.

### Additional information

- Some travel (vehicle & air) to client sites will be required depending on business needs.

Check our website at [www.amberg.ca](http://www.amberg.ca)

**Deadline: December 30, 2011**

Reply to [contact@amberg.ca](mailto:contact@amberg.ca)

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A TETRA TECH COMPANY

**Position Title:** Environmental Engineer/Scientist

**Date Posted:** December 9, 2011

**Deadline:** until filled

**Location:** Edmonton & Yellowknife

**MaxHire Number:** 1309

**Apply online:** [Link](#)

### Job Description:

Explore a different kind of company. One that offers exciting challenges and fulfilling rewards. We provide world-class engineering and scientific solutions to our clients in the Mining, Energy, Transportation and Development sectors. Our people come from a wide range of backgrounds and fields of study. They represent the best in their respective disciplines and specializations. Together, they make it possible to assemble multidisciplinary teams that provide clients with a full-service approach to their unique needs.

We are currently looking for an **Environmental Engineer/Scientist** in both our Edmonton and Yellowknife offices. You will be responsible for conducting environmental site assessments and implementing remediation and long term management programs and assisting environmental project managers on various projects.

### Responsibilities Include:

- Conduct and provide technical advice on site assessments, soil and groundwater remediation
- Conduct and/or assist regional project managers during site decommissioning
- Implement and manage remediation, monitoring and risk management strategies for a portfolio of sites in multiple Canadian jurisdictions
- Manage and oversee environmental contractors
- Prepare proposals and reports as well as develop and manage project budgets including the development and evaluation of tender documents, invoice review and approval
- Liaison with regulatory authorities, landowners, and other third parties
- Ability and willingness to travel up to project sites in western and northern Canada
- Assist with the development of Corporate Environmental Standards

### The ideal candidate will have the following qualifications:

- Bachelor's degree in appropriate discipline
- Holds or is working towards related professional designation (e.g., P Eng, P. Geol, P. Ag)
- Minimum of 5 years' experience in environmental site assessment and remediation
- Progressive project management including remediation programs
- Budgeting for and managing multiple projects
- Assessment and remediation of commercial and industrial properties, specifically including assessment and remediation of retail petroleum sites
- Detailed knowledge of environmental site assessment processes (Phase 1-3)
- Strong background in the application of in- and ex-situ remediation technologies
- Demonstrated expertise in environmental risk management
- Familiarity with electronic project/budget management and invoicing software
- Strong written and verbal communications skills
- Attention to detail while managing multiple projects
- Ability to prepare and present technical information to internal and external audiences
- Self-motivated and willing to take on challenges

- Preference will be given to local candidates; however, qualified individuals willing to relocate to either Edmonton or Yellowknife will be considered as well.

If this sounds like the opportunity you have been looking for, [apply now!](#)

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**Position Title:** Sr. Waste Management Engineer/ Project Manager  
**Date Posted:** December 9, 2011  
**Deadline:** until filled

**Location:** Edmonton & Calgary  
**MaxHire Number:** 1312  
**Apply online:** [Link](#)

**Job Description:**

Explore a different kind of company. One that offers exciting challenges and fulfilling rewards. We provide world-class engineering and scientific solutions to our clients in the Mining, Energy, Transportation and Development sectors. Our people come from a wide range of backgrounds and fields of study. They represent the best in their respective disciplines and specializations. Together, they make it possible to assemble multidisciplinary teams that provide clients with a full-service approach to their unique needs.

Our growing Waste Management practice has openings in Calgary and Edmonton for a Senior Waste Management Engineer. The ideal candidate will be licensed in Alberta with a **minimum of ten (10) years** project management experience in solid waste management, landfill design and permitting, LFG collection systems, waste-to-energy, transfer stations, and/or recycling facilities. A Bachelor's degree in civil or environmental engineering required; an advanced degree is a plus. Candidate must have strong organizational and communication skills (oral and written) and must have demonstrated experience managing projects of increasing complexity.

We offer a great place to work, and an engaging culture that is based on innovation, collaboration and integrity. Our compensation plan includes a competitive salary with a comprehensive benefits package, and excellent opportunities for growth and advancement.

Hyperlink: <http://www.maxhire.net/cp/?E55F68361E43515B7E591C2B77571F6848287D>

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North Shore Environmental Consultants is a progressive environmental company with offices in Sherwood Park, Calgary and Lacombe, Alberta. North Shore offers cost efficient and effective solutions to the complex environmental challenges faced by today's industries.

We are currently looking for a candidate to fill the following position:

**Intermediate/Senior Environmental Consultant**

North Shore Environmental Consultants Inc is currently seeking an Intermediate/Senior Environmental Consultant for our Calgary, Lacombe, or Sherwood Park office.

The primary responsibilities of this position include the completion and review of Phase I Environmental Site Assessment reports. Other responsibilities may include the preparation and review of other technical reports including Detailed Site Assessment reports and Reclamation Applications as well as mentoring junior staff.

This opportunity is suited for well-organized individuals that have a strong attention to detail and are self-motivated. Candidates must possess a post-secondary education and be eligible for professional registration in Alberta. Preference will be given to candidates with 5 or more years of experience in the upstream oil and gas industry and who have their P.Eng. or P.Ag. designation.

North Shore offers a comprehensive benefit package which can be viewed on our website at [www.northshoreenv.com](http://www.northshoreenv.com). Salary dependant upon experience. Please forward your resume via email to [careers@northshoreenv.com](mailto:careers@northshoreenv.com). We thank all applicants for their interest; however, only those considered for an interview will be contacted. *This position will remain open until a suitable candidate is found.*

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**EHS Advisor  
Red Deer/Leduc, AB  
(Ref # 11-0206)**

Working out of Newalta's Red Deer or Leduc office, the EHS Advisor provides EHS support to Onsite Solutions by working closely with the operations group to ensure that the company's EHS program is successfully delivered to field operations. This position will be required to travel up to 60% of the time to remote locations and customer sites.

The EHS Advisor will:

- Ensure quality delivery of the Newalta EHS program by leading and encouraging operations managers and supervisors to increase safety and environmental awareness, and improve EHS practices of day-to-day operations;
- Effectively communicate EHS program requirements and initiatives to field employees;
- Work with key operations personnel to ensure that controls and procedures are maintained;
- Work with managers and supervisors to ensure all operations staff know how to work safely and maintain and build a strong EHS culture;
- Advise field managers and supervisors on how to implement continuous improvement initiatives;
- Participate in incident and serious near-miss investigations;
- Provide guidance on conducting root-cause analysis and corrective action;
- Support operations in maintaining good relationships with regulators and customers.

The successful candidate will show demonstrated knowledge of environment, health and safety legislative requirements, as well as best industry practices. A related degree combined with five years' progressive experience is considered an asset. Exceptional communication skills and proficient use of various office software programs will help ensure success in this role.

Find out more about this and other exciting opportunities under **Careers** at [www.newalta.com](http://www.newalta.com). Please email your resumé to [westerncareers@newalta.com](mailto:westerncareers@newalta.com) stating the job reference number **11-0206** or send via fax to **403-806-7076**.

*We thank all applicants for their interest: however, only those selected for an interview will be contacted.*



Husky's Oil Sands Business Unit is seeking a Senior Regulatory Compliance Lead to work within an expanding cross-functional team. This is an exciting opportunity to help build the Oil Sands - Environment and Stakeholder Relations Department from the grassroots up.

### **About Us**

Headquartered in Calgary, Alberta, Husky Energy Inc. is one of Canada's largest integrated energy and energy-related companies, with upstream, midstream and downstream segments operating from Western Canada, to offshore Canada's East Coast, the United States, China, Indonesia and Greenland. Husky is a financially disciplined, integrated energy company with a consistent record of strong operational and financial performance. Husky has a significant oil sands position which will deliver medium and long-term production. This growth-orientated portfolio, which includes the Sunrise Energy Project, is being advanced with proven technologies and responsible environmental stewardship.

Reporting to the Manager, Environment and Stakeholder Relations and supporting the General Manager Oil Sands Project Execution, the Regulatory Compliance Lead is an integral part of the Oil Sands Project Team. The primary function of this position is to assist the oil sands engineering and construction teams with detailed knowledge of regulatory requirements for oil and gas processing and facility operations and advise and guide the preparation of regulatory compliant facility designs for the Husky Oil Sands properties and assets.

### **Specific responsibilities include:**

- Monitor and report on regulatory progress for all permits/ applications and compliances post permit.
- Develop and report on key performance indicators (KPIs) related to the permitting.
- Responsible for tracking project risks and opportunities associated with permits and compliance and to work with project team members to manage the Compliance Risk Register.
- Assist and monitor the coordination and/or preparation regulatory and permit applications.
- Communicate requirements for regulatory compliance on environmental protection systems, process designs, and regulatory reporting frequency.
- Review and prepare regulatory and compliance summary reports.
- Lead the coordination, implementation and monitoring of regulatory management programs.
- Monitor and report on adherence to all regulatory requirements, standards and organizational objectives.
- Interface and communicate with regulators, approving officers and permitting officials.
- Support of HOIMS (Husky Operational Integrity Management System) which contains 14 elements that are well defined aims and expectations to effectively manage risks associated with the business and to create a safe and secure workplace. A key accountability for this position is to ensure that all HOIMS Objectives are clearly understood and that compliance to these objectives are met in accordance with this job function.
- Assist with the development and implementation of project execution plans in the regulatory arena.
- Assist and provide advice for the supervision of consultants and contractors.
- Provide regulatory technical support and guidance to the project and Oil Sands Business Unit team.
- Interface with Oil Sands Environment and Stakeholder Relations personnel.
- Interface and support the Regulatory Affairs department



## Division Manager

*Trace Associates Inc. (Trace) is a 100% employee-owned environmental consulting firm primarily focused on the oil and gas, real estate, and development market sectors. We provide services in environmental site assessment (ESA), remediation, reclamation, spill response, liability assessment, environmental auditing, and facility decommissioning.*

*Our Vision is to be the most respected specialized environmental consulting firm in Western Canada and our Mission is to be safe and be the best. Our Core Values are safety, excellence, and balance.*

### THE OPPORTUNITY

Due to continued growth, we are seeking a Division Manager to assist our founders in leading our Edmonton (St. Albert) operations in the delivery of services and to assist in further development of our business. For the right person, potential for firm partnership exists.

### YOUR RESPONSIBILITY

- Manage the day-to-day division operations including resource planning, scheduling, project execution, and review of business performance.
- Coach and mentor staff.
- Review work plans, cost estimates, and technical reports.
- Provide technical support to field personnel for field-based projects.

### YOUR PROFILE

- An entrepreneurial spirit, and a passion for business and your community.
- A well-respected leader with ambition and attention to detail.
- An enthusiastic attitude, ability to multi-task, and a passion for consistently delivering outstanding work.
- An eagerness to work with a dynamic team and a growth oriented company.
- University degree(s) in environmental science, engineering, geology, hydrogeology, or geological engineering.
- Membership as a P.Ag., P.Eng., P.Geol., P.Biol., R.P.F., or other relevant professional association.
- A Master's degree is considered an asset; however, is not a pre-requisite for the position.

For further information or to apply, quote position no. CAN-AB-EDM-0200-06 and email your resume to [info@traceassociates.ca](mailto:info@traceassociates.ca) or visit [TraceAssociates.ca](http://TraceAssociates.ca)

*We thank all those who apply; however, only those selected for interviews will be contacted.*

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## Intermediate Environmental Scientist



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### THE OPPORTUNITY

Due to continued demand for our services, we are seeking an Intermediate Environmental Scientist to lead and manage environmental site assessment, groundwater monitoring, and remediation projects, based out of our Edmonton (St. Albert) office (positions in other offices are also available).

### YOUR RESPONSIBILITIES

- Project manager and lead field work relating to Phase 1 and Phase 2 ESAs, groundwater monitoring, and soil and groundwater remediation projects.
- Manage the use of assessment and remediation contractors.
- Prepare and review work plans and cost estimates, and summarize soil and groundwater laboratory data for senior consultant review.
- Participate in, and coordinate, field-based projects (primarily in Central and Southern Alberta).
- Foster relationships with clients and manage a portfolio for key clients.

### YOUR PROFILE

- University degree(s) in environmental science.
- Eligible for membership as a Professional Agrologist (P.Ag.), Professional Engineer (P.Eng.), Professional Geologist or Hydrogeologist (P.Geol.), Professional Biologist (P.Biol.), or other relevant professional association.
- A Master's degree and agricultural background are considered assets; however, they are not pre-requisites for the position.
- An enthusiastic attitude, ability to multi-task, and a passion for consistently delivering outstanding work.
- An eagerness to work with a dynamic team and a growth oriented company.

### CONTACT

- For further information or to apply, please e-mail your resume (including references) to [info@traceassociates.ca](mailto:info@traceassociates.ca) or send by mail to:

Trace Associates Inc., Suite No. 114, 7 St. Anne Street, St. Albert, AB T8N 2X4

- Quote position number: CAN-AB-EDM-0200-09

*We thank all those who apply; however, only those selected for interviews will be contacted.*

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- Foster relationships with clients and manage a portfolio for key clients.

### YOUR PROFILE

- University degree(s) in environmental science.
- Eligible for membership as a Professional Agrologist (P.Ag.), Professional Engineer (P.Eng.), Professional Geologist or Hydrogeologist (P.Geol.), Professional Biologist (P.Biol.), or other relevant professional association.
- A Master's degree and agricultural background are considered assets; however, they are not pre-requisites for the position.
- An enthusiastic attitude, ability to multi-task, and a passion for consistently delivering outstanding work.
- An eagerness to work with a dynamic team and a growth oriented company.

### CONTACT

- For further information or to apply, please e-mail your resume (including references) to [info@traceassociates.ca](mailto:info@traceassociates.ca) or send by mail to:

Trace Associates Inc., Suite No. 300, 37 Richard Way SW, Calgary, AB T3E 7M8

- Quote position number: CAN-AB-CAL-0100-07

*We thank all those who apply; however, only those selected for interviews will be contacted.*



## Intermediate Environmental Auditor or Scientist

*Trace Associates Inc. (Trace) is a 100% employee-owned environmental consulting firm primarily focused on the oil and gas, real estate, and development market sectors. We provide services in environmental site assessment (ESA), remediation, reclamation, spill response, liability assessment, environmental auditing, and facility decommissioning.*

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### THE OPPORTUNITY

Do you want to assess some of the largest and oldest facilities in Western Canada? We are seeking an Intermediate Environmental Auditor or Scientist to conduct environmental audits, liability assessments, and facility Phase 1 ESAs based out of our Calgary or Edmonton (St. Albert) office.

### YOUR RESPONSIBILITY

- Project manage and lead medium to large facility compliance audits and IOGC Environmental Audits.
- Project manage and lead medium and large facility Phase 1 ESAs.
- Project manage and lead environmental liability assessments for transactions and to meet regulatory directives.
- Prepare and review work plans and cost estimates, and prepare technical reports for senior review.
- Participate in, and coordinate, field-based audits (primarily in Alberta, NE British Columbia, and Saskatchewan). Minimal field work is expected and working primarily from home is possible; however not expected.

### YOUR PROFILE

- University degree(s) in environmental science, engineering, geology, hydrogeology, or geological engineering.
- Eligible for membership as a Professional Agrologist (P.Ag.), Professional Engineer (P.Eng.), Professional Geologist or Hydrogeologist (P.Geol.), Professional Biologist (P.Biol.), or other relevant professional association.
- A Master's degree and auditing background are considered assets; however, they are not pre-requisites for the position.

For further information or to apply, quote position no. CAN-AB-CAL-0100-08 and email your resume to [info@traceassociates.ca](mailto:info@traceassociates.ca) or visit [TraceAssociates.ca](http://TraceAssociates.ca)

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# Senior Reclamation Advisor



*Trace Associates Inc. (Trace) is a 100% employee-owned environmental consulting firm primarily focused on the oil and gas, mining, forestry, real estate, and development market sectors. We provide services in environmental site assessment (ESA), remediation, reclamation, spill response, liability assessment, environmental auditing, GIS, forestry, and facility decommissioning.*

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**THE OPPORTUNITY**  
Due to continued growth, we are seeking a Senior Reclamation Advisor to assist our reclamation program managers, based out of Alberta.

## **YOUR RESPONSIBILITIES**

- Provide senior technical support for reclamation programs.
- Coach and mentor junior and intermediate personnel relating to technical reclamation matters.
- Review reclamation work plans and cost estimates.
- Review reclamation certificate applications.
- Provide technical staff with weed and revegetation technical support.

## **YOUR PROFILE**

- University degree(s) in environmental science, soil science, biology, or related discipline.
- Eligible for membership as a Professional Agrologist (P.Ag.), Registered Professional Forester (R.P.F.), Professional Biologist (P.Biol.), or other relevant professional association.
- A Master's degree and agricultural background are considered assets; however, they are not pre-requisites for the position.
- An enthusiastic attitude, ability to multi-task, and a passion for consistently delivering outstanding work.
- An eagerness to work with a dynamic team and a growth oriented company.
- You're excited about coaching and mentoring staff.

For further information or to apply, quote position no. CAN-AB-0300-01 and email your resume to [info@traceassociates.ca](mailto:info@traceassociates.ca) or visit [TraceAssociates.ca](http://TraceAssociates.ca)

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# Intermediate Environmental Scientist



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## THE OPPORTUNITY

Due to continued growth, we are seeking an Intermediate Environmental Scientist to assist Senior Consultants based out of our Lethbridge office.

## YOUR RESPONSIBILITY

- Project manage Phase 1 and 2 ESA's, remediation, and reclamation. This will include leading all aspects of field work for wellsites, associated facilities, and pipelines. Groundwater monitoring, remediation, and Subsoil Salinity Tool familiarity or certification would be an asset.
- Manage the use of reclamation, assessment, and remediation contractors.
- Prepare and review work plans and cost estimates, and coordinate laboratory data summary for review.
- Coordinate and conduct field-based projects (primarily in Southern Alberta).

## YOUR PROFILE

- University degree(s) in environmental science, soil science, biology, earth science or a related discipline.
- Eligible for membership as a Professional Agrologist (P.Ag.), Professional Engineer (P.Eng.), Professional Geologist or Hydrogeologist (P.Geol.), Professional Biologist (P.Biol.), or other relevant professional association.
- A Master's degree and agricultural background are considered assets; however, they are not pre-requisites for the position.
- An enthusiastic attitude, ability to multi-task, and a passion for consistently delivering outstanding work.
- An eagerness to work with a dynamic team and a growth oriented company.

For further information or to apply, quote position no. CAN-AB-LETH-0500-04 and email your resume to [info@traceassociates.ca](mailto:info@traceassociates.ca) or visit [TraceAssociates.ca](http://TraceAssociates.ca)

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- Assist and provide advice for the supervision of consultants and contractors.
- Provide regulatory technical support and guidance to the project and Oil Sands Business Unit team.
- Interface with Oil Sands Environment and Stakeholder Relations personnel.
- Interface and support the Regulatory Affairs department

The ideal candidate will have the following qualifications:

- A degree in one or more of the following disciplines: Environmental Science/Management, Engineering, Geosciences.
- Minimum of 5-7 years practical experience in regulatory compliance management and project management.
- A solid understanding of relevant oil and gas regulations and standards with detailed awareness of oil sands related legislation administered under ABSA, Alberta Safety Council, Alberta Municipal Affairs, Alberta Energy, Energy Resources Conservation Board, Alberta Environment and Alberta Sustainable Resources Development.
- Experience in building strong relationships with regulatory agencies, non-government and government organizations, stakeholders, team members and management.
- Strong interpersonal, communication and presentation skills.
- Possess strong technical writing and computer skills (i.e. Excel, Word, SAP, PowerPoint).

This position requires the incumbent to operate a vehicle for which a valid driver's license is required. The final candidate will be required to provide a recent (i.e. issued within previous 4 weeks) original driver's abstract for a 5 year period, prior to starting work with Husky, for review by our Health and Safety group.

**Please apply online (see Husky job# 8527) at Husky's career website: <http://www.huskyenergy.com/careers>**

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POSTING #: 883-A11  
POSITION: Site Assessment & Remediation Project Manager  
LOCATION: Calgary, AB  
STATUS: Full-time



This **Site Assessment & Remediation Project Manager** role located in our Calgary office provides opportunities in site assessment and remediation projects for upstream and downstream producing and abandoned oil and gas facilities. The successful candidate will report to the Site Assessment & Remediation Team Lead.

#### **Position Summary:**

This role provides opportunities in remediation, reclamation and monitoring projects for oil and gas facilities, landfills, industrial land and Defence sites. Organizational and leadership skills are a key consideration for this position. The role requires some travel to remote work sites.

Our technical services include soil, groundwater and vegetation assessments, and remedial designs for contaminated sites. The project work is largely centered in Alberta and the Northern Canadian Territories. The successful candidate will be responsible for providing support in the following areas:

- Responsible for major client
- Project/client management
- Supervising contractors
- Cost estimating and tracking
- Detailed Site Assessments (DSA)
- Logging soil boreholes
- Soil and groundwater sampling and monitoring
- Managing project logistics
- Writing proposals

- Writing Environmental Site Assessment reports
- Liability assessments
- Managing budgets & schedules
- Business development
- Mentoring of junior staff
- Peer review
- Preparing & completing soil monitoring / management programs and groundwater monitoring programs
- Remediation & reclamation plans.

This position will provide the successful candidate with the opportunity to work with a diverse and experienced team. The role offers involvement in all aspects of projects from start to finish.

#### **Qualifications Required:**

- Bachelor's degree specializing in Soil Science, Hydrogeology, Engineering Geology, Civil Engineering, Geotechnical Engineering, Environmental Science, Environmental Engineering, or, a Technology qualification (T.T., CTECH, C.E.T) appropriate to the work description.
- 5-10 years experience in site assessment, remediation and reclamation in the oil and gas industry in Canada.
- A proven ability to work with project teams.
- Good communication and report writing skills, in English.
- Eligible for registration with the AIA, APEGGA, or ASET
- Willing and able to travel both domestically and internationally.

Additional desirable qualifications:

- Alberta or Northern Canadian Territories experience is preferential, but not a pre-requisite.
- Experience with gINT, Surfer, GIS or AutoCAD software
- Project Management training from PSMJ, ASFE, or equivalent institutions.

#### **About Us:**

Klohn Crippen Berger Ltd. ("KCB") is a multi-disciplinary consulting firm providing engineering and environmental services in the mining, power, environmental, transportation, geotechnical, oil & gas and water resources sectors. We offer a full range of services from our Canadian and international offices in Australia and Peru. Klohn Crippen Berger is a member of the Louis Berger Group, a leading international consulting firm with more than 80 offices world-wide. KCB was recently named as one of Canada's 50 Best Managed Companies.

From our offices in Calgary, Edmonton, Lloydminster, Ft. McMurray and Inuvik, KCB's **Alberta Group** works on challenging projects in the onshore and offshore Oil and Gas industry, Oil Sands developments, and in our traditional Mining, Infrastructure and Water Resources markets. We've been continuously pushing the limits of what's possible for over 60 years. We offer our people a chance to participate in some of the largest and most challenging engineering projects in the world. Projects that have helped develop resources, reclaim landscapes, build communities and stimulate economies. No matter what ventures we pursue, we are up to the challenge.

KCB is committed to employment equity and we encourage applications from all qualified career seekers. We offer salaries commensurate with experience and an attractive employee benefits package.

If you are interested in this position, please apply online at our website: [www.klohn.com](http://www.klohn.com)  
We thank all applicants for applying, however only short-listed candidates will be chosen.