



Inside this Issue:

- *Public Lands Act Charges Against Construction Firm*
- *BC – Quarterly Environmental Enforcement Fines Report*
- *Record Year for Environmental Enforcement in the US*
- *TSB Calls for Re-Evaluation of Speed Limits for Trains Carrying Oil*
- *ESAA Member News*
- *New Member*
- *Industry Position Openings*

The ESAA Weekly News is published weekly by:

Environmental Services Association of Alberta
 102, 2528 Ellwood Drive SW
 Edmonton, AB T6X 0A9
 (P) 780.429.6363
 (F) 780.429.4249
info@esaa.org
www.esaa.org

Comments & submissions are welcome!

Please submit your announcement via e-mail to:
weeklynews@esaa.org

ENERGY WATCHDOG SHUTS DOWN LEXIN RESOURCES, CITING ENVIRONMENT AND SAFETY ISSUES

(Source: Calgary Herald) In a rare move, Alberta's energy watchdog publicly admonished an oil and gas company for refusing to comply with a litany of orders to properly care for its wells and facilities, citing concerns for the environment and public safety.

The [Alberta Energy Regulator said Wednesday](#) it has suspended all licenses held by Lexin Resources Ltd., including nearly 1,400 wells.

It also issued an environmental protection order against the company and an affiliate, requiring them to address outstanding environmental concerns at a sour gas plant in Mazeppa northeast of High River.

Mark Taylor, a vice-president at the regulator, said the case is highly unusual because of the Calgary-based company's scale of operations, with more than 1,600 licences spread across Alberta, and its long-standing refusal to comply with orders.

The watchdog has not ruled out criminal charges against Lexin as its investigation continues.

"The AER has very little confidence in Lexin's ability to conduct their operations safely," Taylor told reporters. "We're taking measures to prevent any increase in public safety, environmental or financial risk."

Lexin did not immediately respond to requests for comment. Bonnie Roberts Jones, the company's lawyer, declined to comment on the regulator's allegations because the file is before the courts.

The regulator has obtained a court order preventing Lexin from removing equipment from its properties, arguing the suspension order extends to company equipment. Several companies claim they have financial interests in Lexin equipment.

The rebuke and fresh orders against the company came weeks after Lexin sent the regulator a letter arguing its more than year-long dispute with the watchdog has "adversely affected" its operations and access to capital.

"We also advise that because of the dispute and your actions, we are not sure that we will be able to continue to provide proper health and safety overview and measures for the sour wells particularly beyond Feb. 15," Michael Smith, a Lexin director, wrote in the Jan. 31 letter.

"We believe the situation creates serious health and safety risks for all concerned."

Taylor said the regulator's assessment of Lexin's wells, pipelines and facilities suggest they do not pose any immediate environmental or public safety threats.

Lexin told the regulator in June 2016 that its leak-detection system at its Mazeppa site was no longer operational, that it had laid off most of its staff and that it could not respond to any potential emergencies.

Following orders from the regulator, Lexin later returned its remaining sour gas pipelines to a safe state, and replaced all sour gas – a poisonous substance — with sweet gas. It had already shut down its plant and removed all sour gas from it.

Still, the regulator has several outstanding problems with the Mazeppa operation, including the company's failure to clean up a spill, which triggered the environmental protection order.

Officials at the regulator said they don't know how many Lexin wells are still producing oil and gas because the company has not reported production for months. The company's 16 sour gas wells in southern Alberta have been shuttered.

The watchdog outlined even more concerns with the company, including that it has received reports equipment has been removed from Lexin sites, violating provincial rules.

Lexin owes more than \$1 million in fees and levies to pay for the future cleanup of wells and facilities, and more than \$70 million in security deposits.

The regulator has ordered companies with working interests in Lexin's operations to shut them down and provide emergency services to those sites, which account for a minority of the company's holdings.

The rest of Lexin's properties are now under the control of the Orphan Well Association, an industry-funded group that cleans up abandoned wells. Taylor said the association is responsible for ensuring the wells have ceased production and do not pose any safety concerns, but it is not responsible for cleanup.

The regulator is still holding out hope that Lexin will become compliant with the rules and regain custody of its facilities, or that the wells can be sold off to interested parties.



Great people
helping
great clients.



environmental science and engineering

Calgary | Edmonton | Lethbridge | Stettler | Saskatoon | Regina

www.traceassociates.ca

PUBLIC LANDS ACT CHARGES AGAINST CONSTRUCTION FIRM

An Edmonton company has been charged with failing to comply with orders to vacate public lands and occupying public lands without authorization.

Incident details

Carmacks Industrial Ltd. has been charged with four counts under the Public Lands Act, relating to the company's occupancy of public lands near Fort McMurray.

The charges include:

- failing to comply with an order to vacate contrary to section 47.1 of the *Public Lands Act* (three counts)
- occupying public lands without authorization contrary to section 20 of the *Public Lands Act* (one count)

Carmacks Enterprises Ltd. has been charged with one count under the same act.

The next court appearance is set for Mar. 1, 2017 in Fort McMurray Provincial Court.

Alberta Environment and Parks focuses on education, prevention and enforcement to ensure all Albertans use public lands respectfully. When individuals or companies fail to comply with legislation, Environment and Parks has a range of options, depending on the offence, to ensure compliance with environmental regulations.

DANDELION FUNGI COULD HELP CLEAN TOXIC OILSANDS TAILINGS, SAYS EDMONTON SCIENTIST

Award-winning innovation garners widespread interest from industry including support from Syncrude

Kelcie Miller-Anderson's obsession with science began with a single dandelion, sprouting from the sunbaked pavement of her back-alley.

Wondering how the weed managed to flourish in such harsh conditions, Anderson — then just 15 years old — set out to solve the mystery.

She built a makeshift laboratory in the basement of her Calgary home and started experimenting on the prolific bloom.

What she found could help eradicate one of the oilsands industry's largest environmental problems, the toxic tailings ponds created by the bitumen mines.

"I did some research and I actually discovered that dandelions are accumulating a fungi into their roots," said Miller-Anderson, who now studies environmental sciences at the University of Alberta.

"And it's this relationship between the fungi and the dandelion plant that enables them to really grow anywhere."

As she watched the dandelion fungi devour the hydrocarbon-rich soil, Miller-Anderson realized that it could be a powerful reclamation tool.

'Just like mushrooms do in nature'

Mycoremediation harnesses the power of fungi to remove contaminants from the soil, and Miller-Anderson got to work applying the process to tailings, holding ponds filled with silt, salt and a slurry of chemical compounds.

After extracting the fungi from the roots, Miller-Anderson first used soybeans as a conduit for the dandelion spores and the results were promising, but she wasn't satisfied.

Concerned about the ability of soybeans to thrive in northern Alberta climates, she switched to a different species — the oyster mushroom.

Large clusters of these pedestal-shaped fungi can be found growing from the trunks of trees across the boreal forest.

They proved a powerful conduit.

When placed in both solid and liquid tailings, they worked quickly. Within three weeks, she saw a dramatic drop in the pH of the material, salt concentrations, residual hydrocarbons and naphthenic acids.

"Mycelium is the vegetative part of fungi so this mycelium is able to branch down into the soil and just like mushrooms do in nature, it's able to digest and remediate the contaminants in that soil," said Anderson, who is now the founder of her own company, [MycoRemedy](#).

"It breaks down the hydrocarbons." After seven years of research and field trials, Miller-Anderson's method now takes the form of what she calls a "myco mat."

Much like a piece of sod, the fungi-laden mats are laid out on top of the tailings, before releasing powerful enzymes that make a meal of the hydrocarbons. The mats are biodegradable so there's no additional cleanup.

Unlike current remediation methods — which usually involve the excavation and removal of contaminated soil — her process is all natural and fast.

"Essentially, you roll out the mat and leave it there to do its job. And it's very rapid. We had in our initial test results, in 21 days, elimination of hydrocarbons from the soil compared to most sites with the dig-and-dump method that take several years to complete."

Miller-Anderson has won numerous awards for her work and has garnered widespread interest from the industry, including long-term research support from Syncrude and Alberta Innovates. Next week, she'll take her idea to the finals of the Global Student Entrepreneur Awards in Vancouver.

'Something that nature is already doing'

She hopes to refine the method to ensure the fungi can reach even deeper into contaminated areas, with an eye to expand the application to gas stations and abandoned oil well sites.

To that end, she'll be conducting more field trials this summer and is confident her invention can help reverse some of the damage caused by the industry.

"It's really interesting to me because it's something that nature is already doing," she said. "It's a natural solution, so it just seems like the best choice."

BC - QUARTERLY ENVIRONMENTAL ENFORCEMENT FINES TOP \$3.5 MILLION IN FIRST QUARTER OF 2016

British Columbia's Quarterly Environmental Enforcement Summary for the first quarter of 2016 outlines four orders, 15 administrative sanctions, 279 tickets and 25 court convictions for a combined total of over \$3.5 million in penalties.

B.C.'s Quarterly Environmental Enforcement Summary is published four times a year. It lists enforcement actions taken and associated fines for violations such as hunting and fishing without a licence, open burning out of season, illegal mud bogging and introducing waste into the environment.

This quarterly summary marks the first time enforcement actions under the Off-Road Vehicle Act have been reported. Thirty tickets were issued under the new act, which replaces the 40-year-old Motor Vehicle (All Terrain) Act with a modern management structure that better aligns with all current regulatory regimes. The new act provides specific rules governing British Columbia's growing off-road sector to ensure these vehicles are driven in a safe and environmentally responsible manner. A ticket for using an unregistered off-road vehicle on Crown land is \$230.

Teck Metals Ltd. was ordered to pay \$3.4 million in court fines and creative sentencing payments. The company also was convicted under the Environmental Management Act and the federal Fisheries Act for unauthorized discharges.

Ensuring compliance with environmental laws and regulations is one of the ministry's primary objectives. The QEES demonstrates the government's commitment to transparency for achieving its environmental protection responsibilities.

To view the full first Quarterly Environmental Enforcement Summary, please visit:
www.env.gov.bc.ca/main/compliance-reporting/

RECORD YEAR FOR ENVIRONMENTAL ENFORCEMENT IN THE U.S.

(Source: HazMat Magazine) The U.S. Department of Justice's Environment and Natural Resources Division recently released its environmental enforcement [report](#) for 2016. The report shows includes the highest recoveries in environmental enforcement and the highest criminal penalties handed down in an individual vessel pollution case.

The year was highlighted by the completion of a settlement with BP arising out of the Deepwater Horizon oil spill into the Gulf of Mexico with the final entry in April 2016 of the consent decree in the Department's settlement. This saw the United States and the five Gulf Coast states secure payments in excess of \$20 billion to resolve their claims against BP.

This settlement is the largest in the history of federal law enforcement for a single defendant, and it includes the largest-ever *Clean Water Act* civil penalty and the largest-ever recovery of damages for injuries to natural resources.

In addition to the BP litigation, the division continued its program of prosecuting shipping companies and crew for the intentional discharges of pollutants from ocean-going vessels in U.S. waters. At the end of fiscal year 2016, criminal penalties imposed in these cases totaled more than \$363 million in fines and more than 32 years of confinement.

In December 2016, the division obtained the largest-ever criminal penalty involving deliberate vessel pollution when it concluded the prosecution of [Princess Cruise Lines](#). The company pleaded guilty to seven felony charges and will pay a \$40 million penalty.

ONT. TO DO MORE MERCURY TESTS TO ADDRESS CONTAMINATION PLAGUING FIRST NATION

TORONTO -- The Ontario government is conducting expanded mercury testing around the site of an old paper mill in the province's northwest in the hopes of cleaning up an area that has left a First Nation plagued with mercury poisoning for more than 50 years.

The commitment follows testing done by volunteers with an environmental group last year that found high levels of mercury in soil samples taken near the mill in Dryden, Ont.

The Grassy Narrows community, near the Manitoba border, has dealt with mercury poisoning since the mill dumped 9,000 kilograms of the substance into the Wabigoon and English River systems during the 1960s.

But mercury concentrations haven't decreased in 30 years and dangerous levels are still present in sediment and fish, causing ongoing health and economic impacts in the community. Researchers have reported that more than 90 per cent of the people in Grassy Narrows and the Wabaseemoong (White Dog) First Nation show signs of mercury poisoning.

The Ontario government previously conducted testing near the mill, when a former worker came forward to say he had buried more than 50 barrels of mercury and salt in a pit in 1972.

No barrels were found, but volunteers with the environmental group Earthroots later found high levels of mercury in soil samples. After those results were made public, the government said their tests had been conducted in a different area, so it is now testing the entire mill site.

"We are completely committed to working with all partners to identify all potentially contaminated sites, and to creating and implementing a comprehensive remediation action plan for the English Wabigoon River," Ontario Environment Minister Glen Murray and Indigenous Relations and Reconciliation Minister David Zimmer said in a statement.

"We need to be sure unequivocally if the site is an ongoing source of mercury, and if it is, then we need to work with partners to take all measures to stop further mercury from entering the river."

Ontario Premier Kathleen Wynne and the province's environment minister met Friday with the chief of Grassy Narrows and environmentalist David Suzuki.

Judy Da Silva, the environmental health co-ordinator for Grassy Narrows and a member of its mercury working group, was skeptical but hopeful that the new commitment would lead to action.

"With elections getting close for the province of Ontario I'm kind of wary of anything actually happening and I guess I'll believe it when I see it," she said. "To me, when I hear full assessment of the entire mill site and committing to identify and remediation plans, to me it all sounds like words...I'm hoping I'll live to see the day it is cleaned up."

Ontario NDP critic Michael Mantha said the people of the Grassy Narrows and Wabaseemoong First Nations have waited far too long for the government to act.

"The NDP caucus will be watching closely to ensure there's follow through on these commitments, and my colleagues and I will continue to press the Liberal government on this promise until the fish are safe to eat," he said.

TSB CALLS FOR RE-EVALUATION OF SPEED LIMITS FOR TRAINS CARRYING OIL

(Source: Calgary Herald) The Transportation Safety Board of Canada is calling for a re-evaluation of speed limits for trains carrying oil across the country.

The recommendation comes after its investigation into a 2015 freight train derailment in northern Ontario that caused 1.7 million litres of oil to spill into the local ecosystem and started a fire that burned for days.

The TSB says the incident near Gogama, Ont., was caused when joint bars in the railway track failed, in part due to the speed at which the train was travelling.

It says the CN Rail freight train was three kilometres below the maximum speed limit in place at the time, but says Transport Canada should look into making sure those limits are lower in the future.

Transport Canada currently allows freight trains to travel at a maximum speed of 80 kilometres an hour everywhere and reduce speed to 64 kilometres per hour when carrying potentially dangerous goods through densely populated areas.

The TSB also says defects in the tracks where the derailment occurred went undetected due to insufficient training and support for an assistant track supervisor. No one was injured in the incident in which 29 cars carrying crude derailed.

BANNED CHEMICALS PERSIST IN DEEP OCEAN

(Source: BBC) Chemicals banned in the 1970s have been found in the deepest reaches of the Pacific Ocean, a new study shows. Scientists were surprised by the relatively high concentrations of pollutants like PCBs and PBDEs in deep sea ecosystems.

Used widely during much of the 20th Century, these chemicals were later found to be toxic and to build up in the environment.

[The results are published](#) in the journal Nature Ecology and Evolution. The team led by Dr Alan Jamieson at the University of Newcastle sampled levels of pollutants in the fatty tissue of amphipods (a type of crustacean) from deep below the Pacific Ocean surface.

The animals were retrieved using specially designed "lander" vehicles deployed from a boat over the Mariana and Kermadec trenches, which are over 10km deep and separated from each other by 7,000km.

Not broken down

The pollutants found in the amphipods included polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs), which were commonly used as electrical insulators and flame retardants.

PCB production was banned by the US in 1979 and by the Stockholm Convention on Persistent Organic Pollutants, a UN treaty signed in 2001.

From the 1930s to when PCBs were banned in the 1970s, the total global production of these chemicals is estimated to be in the region of 1.3 million tonnes.

Image copyright NPG

Released into the environment through industrial accidents and discharges from landfills, these pollutants are resistant to being broken down naturally, and so persist in the environment.

In their paper, the authors say it can be difficult to place the levels of contamination found below the Pacific into a wider context - in part because previous studies of contamination gathered measurements in different ways.

In the food chain

But they add that in the Mariana trench, the highest levels of PCBs were 50 times greater than in crabs from paddy fields fed by the Liaohe River, one of the most polluted rivers in China.

Dr Jamieson commented: "The amphipods we sampled contained levels of contamination similar to that found in Suruga Bay [in Japan], one of the most polluted industrial zones of the northwest Pacific."

The researchers suggest that the PCBs and PBDEs made their way to Pacific Ocean trenches through contaminated plastic debris and via dead animals sinking to the sea floor.

These are then consumed by amphipods and other deep sea creatures.

The authors of the study say that the deep ocean can become a "sink" or repository for pollutants.

They argue that the chemicals accumulate through the food chain so that when they reach the deep ocean, concentrations are many times higher than in surface waters.

Katherine Dafforn from the University of New South Wales in Australia, who was not involved in the study, said: "Although the authors were able to quantify concentrations of PCBs and PCBs in crustacean scavengers from the hadal zone [deep ocean trenches], the source of [persistent pollutants] to these areas and also the mechanisms for delivery remain largely unknown.

"Furthermore, the toxic effects of these pollutants and their potential to biomagnify up the food chain still need to be tested." But she added that the team members had "provided clear evidence that the deep ocean, rather than being remote, is highly connected to surface waters and has been exposed to significant concentrations of human-made pollutants."

ESAA Member News

INTEGRATED ENVIRONMENTS ANNOUNCES NEW BUSINESS ALIGNMENT WITH MUR-CAL.

Calgary, Alberta - Integrated Environments Ltd. (IEL) is excited to announce a new business alignment with Mur-Cal Services Ltd. (Mur-Cal) and a new expansion of IEL into the Grand Prairie Region.



Integrated Environments



In business since 2004, Mur-Cal is a privately owned First Nation Services Company operating in the oil, gas and forestry industries. Mur-Cal's integrated divisions focus on access road and lease construction (civil construction), site grading, lease reclamation, logging and pipeline integrity. Their main office and yard is located in Grande Prairie and to better service their clients they operate a business development office in

Calgary. Mur-Cal owns a fleet of best in class equipment and operates their own trucking division with mechanical support to provide a more integrated approach to their service delivery.

IEL is a Calgary based project planning, management, and environmental field services organization. IEL has a wide and comprehensive range of environmental expertise including but not limited to agronomy, biology, engineering, geology, hydrology and project execution services through their in-house partnerships with Proceed Solutions. Both IEL and Mur-Cal are industry leaders in terms of expertise, management, and execution. This new business alignment allows both companies to be able to offer full turnkey solutions that includes planning, execution and construction of projects, operational support and abandonment/reclamation services.

Expansion in Grand Prairie will give IEL the opportunity to be more centralized to numerous client needs, and allow us to offer full life cycle project planning services from front end regulatory and land activities to reclamation and remediation. IEL will also be able to offer our joint venture services with Conklin Integrated Environmental Services which are based out Lac La Biche to a wider area. A full view of IEL is available at integrated-environments.com. For further information on this new business strategy please feel free contact Robin Reese at robin.reese@int-env.ca or Bruce Wells at bruce@mur-cal.ca.

<http://www.integrated-environments.com/>

<http://mur-cal.ca/>

Announcement:

Joint Services and Innovation Partnership

February 13, 2017

"We are excited to formalize this partnership between SUBLATUS and TRIUM. The complementary services of each organization have proven the capacity to offer our clients more advanced and technological treatment options.

We both strive to find new and innovative alternatives to solve our client's remediation challenges."

Sheldon Stewart
President of SUBLATUS

"TRIUM's innovation and commercialization strategies are only successful with strong, highly respected national and international partners.

This unique partnership with SUBLATUS demonstrates the commitment of both companies to be the benchmark for innovation, environmental sustainability and cost effectiveness in our market."

Jevins Waddell
President of TRIUM

SUBLATUS Earthworks and Environmental (SUBLATUS) and TRIUM Environmental Inc. (TRIUM) are excited to announce the signing of a Joint Services and Innovation Partnership. The official declaration of this partnership represents several years of successful collaboration and a demonstrated commitment by both companies to adjust to changing industry and economic conditions by integrating each other's strength in technology and on-site application.

Our joint mandate is to provide efficient, effective and sustainable alternative options for soil, sludge and groundwater remediation in Canada.



SUBLATUS Earthworks & Environmental (SUBLATUS) is a full-service onsite environmental remediation & reclamation and civil earthworks contractor specializing in innovative and cost-effective remediation & construction techniques to solve your specific project challenge(s). SUBLATUS strives to supply the best options with the best value for our clients.



TRIUM combines an innovation and commercialization platform with service based business models to provide chemical oxidation, metals stabilization, soil washing and thermal remediation approaches. We maintain purposeful specialization to innovate technologies that exceed the requirements of differing global contaminated site conditions and environments.

For more details, please contact:

Mr. Jason Pocza, CET
Vice President, Business
Development
jason.pocza@sublatus.ca

Mr. Jevins Waddell, P.Tech.(Eng.)
President
jwaddell@triuminc.com

New ESAA Member

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

Full Member:



SAW-FCE Inc.

General Delivery

Iron River, AB T0A 2A0

Phone: (780) 207-7930

Website: www.sawfce.com

Sean Wakulchyk, consultant

e-mail: swakulchyk@sawfce.com

Profile:

SAW-FCE Inc. is a company built on Safety, Experience and Professionalism. Our Commitment is to complete all projects with safety, environment and integrity as our first priority. We pride ourselves on being able to provide a wide ranges of services while maintaining highest quality that the industries we serve demand.

UPCOMING EVENTS

SUSTAINTECH – PROGRAM AVAILABLE

MARCH 216, 2017 – SASKATOON

The third annual SustainTech conference will be held in Saskatoon on March 16, 2017. We invite you to attend or present at this innovative event, which features technologies and practices that promote sustainability and environmental responsibility, and brings together industry, academia, consultants, and regulators to share ideas on new developments and technologies that will help us make a more sustainable world.

Based on the growing success of our second event, we are confident **SustainTech 2017** will again highlight the latest environmental practices and technologies from industry, consultants, and regulators in Saskatchewan's principal resource sectors.

Registration for SEIMA members is \$250 (plus GST) and \$350 (plus GST) for non-members. Please register by visiting: [HTTPS://SEIMA40.WILDAPRICOT.ORG/EVENT-2355476](https://seima40.wildapricot.org/event-2355476)

SEIMA's first **SustainTech** saw over 150 participants and 18 technical presentations. **SustainTech 2016** welcomed 180 participants and 24 technical presentations and we're looking forward to hosting even more at **SustainTech 2017**. Looking forward to seeing you at **SustainTech 2017**.



Join Grand Chief Wilton Littlechild at the Gathering - only 3 days left to buy tickets!

We are excited to announce that Dr. Wilton Littlechild, Grand Chief of Treaty Six, will be speaking at the Gathering Kickoff and Networking Reception on Thursday evening at the Art Gallery of Alberta. Chief Littlechild is a pioneer of the global Indigenous rights movement and is renowned for his work at the United Nations advocating for the Rights of Indigenous Peoples. For nearly thirty years he worked on the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) that was adopted by the UN General Assembly in 2007. Prior to being named Grand Chief, he recently completed a six year term on the Truth and Reconciliation Commission of Canada.

With only three days left to buy tickets for the Gathering, there is still time to join champions from across Alberta who are standing up for change and success. With an amazing lineup of keynote speakers, as well as over 30 different presentations and workshops from experts and environmental leaders, this is the best opportunity you'll have to connect, learn, and find new breakthroughs in your efforts to protect the environment.

[View the Program and Register](#)

Industry Positions Openings

For more information visit ESAA's Job Board under the news section of www.esaa.org

Senior Civil or Environmental Engineer



Term: Full-Time

Number of Positions: 1

Application Deadline: February 20, 2017

Job Start Date: ASAP

Job Location: Edmonton, Alberta

Adelantar Consulting is based in Edmonton and provides civil-environmental engineering and consulting services principally in the field of industrial waste management. We are regularly awarded interesting and challenging assignments for a wide variety of clients mainly in the industrial sector, to responsibly manage their environmental challenges. Services provided include facility siting, containment design and construction management, and regulatory liaison.

We promote a fun, supportive, inclusive and flexible team environment, with an emphasis on achieving a healthy work-life balance. We facilitate professional development of all employees through strong mentoring relationships, thorough training and a collaborative work environment.

This key position is for a senior civil or environmental engineer with design and construction experience on large-scale earthworks construction projects. The role would include the following:

- Client development and management
- Managing projects to ensure their quality execution on time and budget
- Mentoring junior technical staff

- Managing and administering construction projects, and providing guidance to field staff
- Providing strategic planning input for company direction
- Liaising and coordinating with regulatory agencies including preparation of application documents

Adelantar offers competitive compensation and benefits and is open to explore various potential employment arrangements with the successful candidate (for example part-time or term contract).

Job Qualifications

- Experience in a responsible role managing people and projects
- Experience in landfill or surface water management projects
- Experience in Alberta consulting is an asset (minimum 15 years preferred)
- Exceptional communication skills
- A positive team-oriented attitude

Please forward a resume and cover letter to jobs@adelantar.ca.

EXPERIENCED Wetland and Qualified Aquatic Environmental Specialist (QAES) ALBERTA



Term: Full-Time
Number of Positions: 1
Application Deadline: February 28, 2017
Job Start Date: Spring 2017
Job Location: Alberta

Earthmaster Environmental Strategies Inc. is focused on serving the upstream oil and gas, commercial and industrial industries in Western Canada. We are a multi-disciplinary consulting firm offering an exceptional team-oriented working environment, a comprehensive benefit package and an opportunity for career development and growth.

We are seeking an **Intermediate** Qualified Aquatic Environmental Specialist (QAES) /Wetland Specialist to work in our upstream oil and gas and commercial-industrial environmental programs.

RESPONSIBILITIES:

Develop and manage environmental programs and site specific projects:

- Develop work plans and cost estimates
- Co-ordinate, supervise and execute field work
- Prepare, review and edit technical reports
- Safety reporting and complete commitment to high safety standards
- Provide strong leadership skills and mentor junior staff
- Ensure excellent client service and foster strong working relationships
- Effectively manage project budgets
- Participate in business development

QUALIFICATIONS:

- University degree in a relevant discipline
- Applicable professional designation(s) or eligible for professional designation(s)
- **Minimum 5+** years of field experience working as a QAES/Wetland Specialist
- Experienced in environmental approvals and permitting
- Experience in contaminated site assessment, remediation and/or hydrogeology will be considered an asset
- Strong communication and excellent written and oral (English) skills
- Well-developed interpersonal skills including problem solving, decision making and stress management

- Valid Class 5 driver's license

Application Details: Please forward cover letter and resume to:

Earthmaster Environmental Strategies Inc.
#200, 358 – 58 Avenue SW
Calgary, AB T2H 2M5
Email: earthmasterhr@gmail.com
Fax: (403) 201-2227
Web: www.earthmaster.ca

***PUBLIC AGENCY BOARD OPPORTUNITY:
DIRECTOR/CHAIR, ALBERTA RECYCLING MANAGEMENT AUTHORITY***

Alberta Environment and Parks, Edmonton. The Minister of Environment and Parks is seeking applications from individuals interested in serving as Chair of the Alberta Recycling Management Authority.

The majority of board meetings are held in Edmonton at the Alberta Recycling Management Authority's head office. There are some exceptions where meetings are held in other locations in Alberta.

The Alberta Recycling Management Authority is a delegated administrative organization that is accountable to the Minister of Environment and Parks.

The Alberta Recycling Management Authority is responsible for managing three of Alberta's five regulated recycling programs for tires, paint (and paint containers), and electronics.

The Alberta Recycling Management Authority collects environmental fees remitted from suppliers on designated materials (tires, electronics, paint) sold in the province. The fees are used by the Alberta Recycling Management Authority to administer the relative recycling programs including administrative costs; operational costs such as the collection, transportation and processing of material; education programs and research and development activities.

The Chair is accountable to the Board of Directors of the Alberta Recycling Management Authority. The Alberta Recycling Management Authority is accountable to the Minister of Environment and Parks.

Position Profile:

Please see the Position Profile for more information on this opportunity and a detailed list of responsibilities: <https://www.alberta.ca/public-agency-opportunity.cfm?appt=369&print&DPP>

Contact Information:

Mr. Patrick Kane, Director Waste Policy,
10th floor Oxbridge Place, 9820-106 Street, Edmonton, AB T5K 2J6
email: Patrick.Kane@gov.ab.ca or phone [780.422.2136](tel:780.422.2136)

Closing Date: February 20, 2017. Job ID #369 <https://www.alberta.ca/public-agency-opportunities.cfm>

Environmental Planner, Transportation – Team Lead

Term: Full-Time
Number of Positions: 1
Application Deadline: February 22, 2017
Job Start Date: ASAP
Job Location: Calgary, Edmonton or Red Deer



WSP is one of the world's leading professional engineering services firms. Every day our more than 34,000 experts work to restore the natural environment and transform the built environment.

In Canada, our 8000+ people are involved in everything from environmental remediation to urban planning, from engineering iconic buildings to designing sustainable transport networks, from finding new ways to extract essential resources to developing renewable power sources for the future.

The excellence we bring to our work and to our workplace has been recognized far and wide. We're a Forbes Top Employer in Canada, one of the Top 100 Sustainable Companies in the World (and among the Top 10 in Canada), and we earned Platinum Elite Recognition through our participation in more than half of Canada's Top 100 Infrastructure Projects.

At **WSP**, we're proud, professional and passionate people. Join us.

Position Detail

WSP is currently seeking an Environmental Planner – Team Lead to join our Ecology and Environmental Impact Assessment team, focusing on support of and delivery of projects related to Transportation Engineering, located at any of our Calgary, Edmonton, or Red Deer offices.

Key Responsibilities

- Managing a team of technical staff focusing on transportation-related projects; prepares Request for Proposals and evaluates bids; negotiates work scope, budget and schedule; provides ongoing management of work load
- Manage personnel and numerous complex projects simultaneously with tight and conflicting deadlines;
- Provide environmental and regulatory leadership, and project team management to the team of Ecologists and Planners as well as direct external contractors.
- Represents company projects to stakeholders including regulators, industry groups, environmental groups, landowners, Aboriginal peoples and the public;
- Develops strategies for obtaining environmental regulatory authorization and for responding to public, regulatory and legislative scrutiny of project environmental issues;
- Develops and leads regional strategies and maintains strong working relationships with key consultants and clients;
- Champions HS&E Commitment and underlying principles throughout the organization;
- Collaborates with key internal groups responsible for regulatory, legal, and safety to identify and resolve issues, execute project execution plans and schedules, and support the integration of environment appropriately into transportation project planning;
- Contribute to regulatory initiatives and industry standards;
- Other duties as assigned.

Qualifications

- Minimum 10 years' experience in managing environmental planning and permitting for transportation, infrastructure/municipal projects or energy project, including routing/siting, environmental planning, project management, permitting and environmental compliance;
- Have status as a biology professional (P. Biol.) and/or eligibility for accreditation through a professional biology organization such as the Alberta Society of Professional Biologists (preferred).
- Previous experience solving complex and unique regulatory, permitting and compliance issues on transportation projects;
- Expertise in developing/implementing influence strategies with respect to environmental regulatory initiatives;
- Commitment to client service and support;
- Bachelor's Degree, or preferably Master's Degree, in environmental sciences, geography, public policy or related fields.

Application Details: To apply for this position please refer to the WSP website at <http://chj.tbe.taleo.net/chj05/ats/careers/requisition.jsp?org=MMM&cws=51&rid=4739WSP> welcomes and encourages applications from people with disabilities. Accommodations are available on request

**Instructor, Environmental Sciences – Competition No:
17-2604-003**



Term: Full-Time
Number of Positions: 1
Application Deadline: March 10, 2017
Job Location: Vermilion

As a global leader in student-managed learning opportunities, we are committed to developing leaders at Lakeland College. It's something we excel at because of our exceptional team. Their passion and commitment to academic excellence, innovation and achievement is what sets Lakeland apart, as an educator and an employer. Join our team and be part of helping our students take the lead not only into the future, but today.

Key responsibilities:

- Expertise in Restoration Ecology, Communications, Forest Ecology, Field Biology and Plant Identification
- Liaison with relevant industry representatives to ensure a strong relationship exists with the programs
- Classroom, lab, and field trip instruction, preparation and marking
- Participation in program meetings, departmental meetings and committees, supervising field trips and playing an active role in the development of the environmental sciences programs

Job Requirements:

- A Master's degree, or close to completion, in a closely related discipline
- Teaching and industry experience
- Registration or eligibility for registration as a Professional Agrologist with the Alberta Institute of Agrologists or as a Professional Biologist with the Alberta Society of Professional Biologists

This is a Continuing Full-time Faculty appointment at the Vermilion campus, commencing as soon as possible.

We offer a competitive salary as well as a generous benefit package and pension plan.

Qualified applicants are invited to submit their resume by March 10, 2017.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered. Those selected for an interview will be contacted.

Please quote the competition number and send current resume and names of three references to:

Lakeland College Human Resources
Email: hr@lakelandcollege.ca
(MS Word format or .pdf)
www.lakelandcollege.ca

Sr. Environmental Scientist

Term: Full-Time
Number of Positions: 1
Application Deadline: February 28, 2017
Job Location: Edmonton



Advisian
WorleyParsons Group

Advisian is the independent consulting business line of WorleyParsons with about 2800 people in 19 countries. We provide solutions for clients in the Hydrocarbons, Minerals & Metals, Chemicals and Infrastructure industries. As part of the world's largest engineering firm, we continue to

push boundaries and extend our capabilities globally. WorleyParsons is a company that prides itself on providing safe and high-quality services that exceed our customer's expectations, which is why we manage some of the world's leading projects. Our aim is to recruit, develop, and most importantly, retain the people who share our vision and strategy.

This is a full-time position located in our Edmonton, AB office.

Our Environmental Liability Management and Remediation Group seeks someone with strong technical, leadership, communication, and business development skills who is eager to help lead and grow a group of professionals.

Your Responsibilities and Accountabilities:

- Client and portfolio management, including project prioritization, risk ranking, and resource allocation;
- Project management and execution of environmental site assessments and remediation programs, including the development and maintenance of project scopes, schedules and budgets, and coordination of staff;
- Preparation of technical correspondence, project scope and cost proposals, technical reports, work plans, and project specifications;
- Senior review of technical reports as Approving Professional;
- Development/Refinement of new/existing Preferred Operating Practices for all aspects of the practice;
- Interpretation of environmental regulations and investigation results to successfully meet the client's requirements;
- In conjunction with the Business Development Group, develop marketing resources, identify markets/potential clients, prepare responses to Requests for Proposals/Standing Offers, and attend industry events as a technical resource to further business development;
- Development of technical training resources and accountable for the delivery of training;
- Spill response experience is an asset;
- Quality assurance – responsible for working within the provisions and guidelines of the Quality Assurance system relevant to the Environmental Liability Management and Remediation Group;
- Responsible for personal safety and the safe working practices for the Environmental Liability Management and Remediation Group. Understand and follow Advisian's occupational health and safety procedures.

Minimum Qualifications:

- Bachelor's or Master's degree, or higher, from an accredited institution, plus appropriate continuing education, in environmental science or engineering, geology, hydrogeology, contaminant hydrogeology, or soil science;
- Registered Professional (e.g. P.Eng., P.Geo., P.Ag.) in Alberta, additional professional registration in other jurisdictions is an asset;
- 15+ years of experience in contaminated sites work, which would include a minimum of 5 years of field experience and at least 5 years in a senior capacity;
- Ability to present technical information, both written and verbally, in a concise and professional manner;
- Accomplished technical editor and critical reviewer;
- Self-starter, flexible team player, willing and able to work on a wide variety of tasks, and to coordinate staff;
- Supervisory, project management, and client management experience required;
- Demonstrated capability to train, mentor and develop junior and intermediate staff.

Advisian (part of the WorleyParsons group) offers an excellent remuneration & benefits package, a friendly, professional, dynamic and flexible work environment along with the opportunity to develop your career prospects within Canada and overseas.

We strive to be an industry leader in health, safety and environmental performance. Our vision is to achieve zero harm to people and assets, and zero environmental incidents. We select people who share our values, beliefs and commitment to this vision and who demonstrate the expected behaviors, competencies and performance associated with their prospective roles within the company.

We thank all candidates for their interest; however, only those selected for interviews will be contacted. Advisian (part of the WorleyParsons group) is an equal opportunity employer.

Application Details: To apply, visit: <https://worleyparsons.taleo.net/careersection/ext/jobdetail.ftl?job=EDM00JC>