

Weekly NEWS



An Information Service for Alberta's Environment Industry

The Week Ending November 8th, 2019



IN FLANDERS FIELDS

*In Flanders fields the poppies blow
Between the crosses, row on row,
That mark our place; and in the sky
The larks, still bravely singing, fly
Scarce heard amid the guns below.*

*We are the Dead. Short days ago
We lived, felt dawn, saw sunset glow,
Loved, and were loved,
and now we lie
In Flanders Fields.*

*Take up our quarrel with the foe:
To you from failing hands we throw
The torch; be yours to hold it high.
If ye break faith with us who die
We shall not sleep, though poppies
grow In Flanders fields.*

- John McCrae, 1915

Inside this Issue:

- ESAA Lifetime Achievement Award
- Fresh Perspectives for Caribou Recovery Planning
- AER: Amendments to Manual 013: Compliance and Enforcement Program
- Remediation Technology News and Resources
- New ESAA Member
- Upcoming Events

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Comments & submissions are welcome!

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2019 ESAA LIFETIME ACHIEVEMENT AWARD



In 2019, ESAA introduced a new award, 'The ESAA Lifetime Achievement Award'. It is awarded to an individual who has made far-reaching and long-lasting contributions to both the environment industry and ESAA over their career. The award is presented at the discretion of the Board and via

recommendations from ESAA Management. The Award was presented during the RemTech 2019 Program

The winner of the 2019 ESAA Lifetime Achievement Award is **Gord Nelson!**

Gord Nelson graduated from the University of Regina in 1982 with a B.Sc. in Chemistry. He started his career in the environment industry working for Environment Canada as a Project Chemist working on trace organics. In 1985, he joined the newly formed Alberta based laboratory ETL as their second employee before becoming an owner in 1990. Gord helped grow ETL to over 500 employees before it was purchased by ALS Laboratories in 2006. He worked through the transition period with ALS Laboratories before moving to Osprey Scientific to provide his expertise. In 2009, Gord joined AGAT Laboratories and held a number of leadership positions including President, COO and CEO.



During his time at AGAT, he served as a member of the ESAA Board of Directors, holding the position of treasurer for four of those years. Gord was instrumental in guiding ESAA through tough financial times ensuring the Association could remain a strong voice for the industry and its members. Gord's significant impact on both the environment industry and ESAA is undeniable.

In his spare time – when not cheering for the Saskatchewan Roughriders or watching Marvel movies- is spent with his dog Harvey or enjoying a glass of wine with his wife Roxanne.

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Fresh perspectives for caribou recovery planning

Alberta's three sub-regional caribou task forces took an important first step toward fulfilling their mandate to support caribou recovery while protecting jobs.

Members of the task forces, which include representatives of municipalities, Indigenous communities, industry, recreational users and environmental non-government organizations, held their first meeting in Edmonton to discuss a uniquely Albertan solution that will support both a working landscape and caribou recovery.

"Task force members represent people who work, play, raise their families, exercise treaty rights and engage in traditional land uses in areas where caribou recovery is a key consideration. I'm happy to advance this important government platform commitment and work toward solutions that are practical, balanced and grounded in socio-economic analysis and respect for our land and biodiversity." - Jason Nixon, Minister of Environment and Parks

The three task forces have a total of 42 members, plus three local MLAs who will serve as chairs:

- David Hanson, MLA for Bonnyville-Cold Lake-St. Paul

- Dan Williams, MLA for Peace River
- Martin Long, MLA for West Yellowhead

The province worked with industry and local communities, including First Nations, over the summer to identify people to serve on the task forces.

The purpose of the caribou sub-regional task forces is to:

- Advise government regarding the sub-regional planning process to ensure local input is considered in the development of the draft plans
- Ensure that sub-regional plans, including caribou range plans, are subject to a comprehensive social, environmental and economic impact assessment, and
- Review and consider the Draft Provincial Woodland Caribou Range Plan (Dec. 2017) in the context of more holistic sub-regional planning.

Alberta is home to 15 caribou herds. Initially, the task forces will focus their efforts on providing recommendations to government regarding sub-regional planning for Cold Lake, Bistcho Lake and Upper Smokey planning areas, which will address recovery outcomes for the Bistcho, Cold Lake, Redrock-Prairie Creek and Narraway caribou ranges.

Recommendations for the Cold Lake sub-regional plan are expected to be drafted by the end March 2020, with Bistcho following in summer of 2020 and Upper Smoky in fall of 2020.

The task forces will provide advice on the development of the remaining sub-regional plans and affected caribou ranges after work on the initial three areas is complete.

The establishment of the sub-regional caribou task forces fulfils a government platform commitment to form a caribou range task force.

Related information

- [Caribou sub-regional task forces](#)
- [Caribou task forces – membership list](#) (PDF)

AER: AMENDMENTS TO MANUAL 013: COMPLIANCE AND ENFORCEMENT PROGRAM

Today we released a new edition of [Manual 013: Compliance and Enforcement Program](#). This manual provides details on how we administer compliance assurance, and it guides AER staff in the development and execution of compliance processes and procedures. Since the original release of this manual in February 2016, our compliance assurance program has evolved, requiring amendments to some of the sections. Some grammar and formatting was also amended for clarity.

Major changes include the following:

- Section 3 has been expanded to discuss compulsory reporting as one way we become aware of noncompliances.
- Sections 4 and 5 have been merged and simplified.
- The following compliance and enforcement tools in section 6 have been clarified: notice of noncompliance, warning, and administrative sanctions.
- The section on administrative penalties has been expanded to include economic benefit.
- Section 6 now includes information on the compliance dashboard.

Manual 013 is available on the AER website, www.aer.ca. Printed copies of the directive can be purchased from AER Order Fulfillment, Suite 1000, 250 – 5 Street SW, Calgary, Alberta T2P 0R4; telephone: 403-297-8311 or 1-855-297-8311 (toll free; option 0); fax: 403-297-7040; email: InformationRequest@ aer.ca.

AER: PIPELINE INTEGRITY MANAGEMENT PROGRAMS MUST CONSIDER SLOPE MOVEMENT

A number of factors can increase the instability of slopes, including precipitation. The AER has noted a slight increase in the number of pipeline failures this year resulting from earth movement of unstable slopes.

Licensees must consider natural hazards as part of their integrity management programs. The *Pipeline Act* and *Pipeline Rules* require licensees to follow the requirements contained in *Canadian Standards Association (CSA) Z662-19: Oil and Gas Pipeline Systems*. In particular, clauses 3.1.2, 3.2, and 3.3 require licensees to have a safety and loss management system, manage risks, have integrity management programs that monitor for conditions that can lead to pipeline failure (including slope movement), and act to eliminate or mitigate such conditions. As well, Annex N outlines in more detail activities that must be conducted by all licensees to identify and control hazards through proper risk management of their entire pipeline inventory. Failure to comply with these requirements may be a contravention under the *Pipeline Act* and *Pipeline Rules*.

We encourage operators to do the following:

- Assess your integrity management programs and how they address the risk to pipelines as it relates to natural hazards, including slope movement. Suitable management may require the involvement of specialized skilled expertise in this area. Areas of high concern should be identified and suitable mitigation measures implemented. Suitable measures could include increased surveillance of rights-of-way, patrols, and inspections of areas subject to slope movement.
- Adopt emerging best practices for real-time monitoring of precipitation levels, slope movement, and pipe strains of the locations that are most susceptible to failure from slope movement.
- Monitor events of heavy precipitation and proactively shut-in or purge pipelines if potential risk is high.
- Improve leak detection strategies and operational monitoring in potentially affected areas to enable rapid detection and response to a leak, should one occur.
- Conduct engineering assessments of pipelines where slope movement has occurred, which may require specialized inspection techniques, to determine if pipelines have suffered damage.
- Relocate existing lines or install structures or cover material to protect the system from external loads.

Data on relative landslide susceptibility across Alberta can be had from the Alberta Geological Survey's *Map 605* and related data files: www.ags.aer.ca > Data, Maps & Models > Maps > [Map 605](#).

CALGARY-BASED HOUSTON OIL & GAS CEASES OPERATIONS, LEAVING ALMOST 1,300 WELLS NEEDING CLEANUP

(Source: CBC News) Another Alberta oil and gas company has closed its doors, leaving more than \$80 million in estimated costs to clean up its remaining wells, pipelines and facilities.

Calgary-based Houston Oil & Gas told the Alberta Energy Regulator (AER) last month that it was ceasing operations and no longer has any employees, according to court documents. Houston entered receivership last week.

The company is focused primarily in southeast Alberta and predominantly produces natural gas, according to its web site.

"I feel bad for them," said Marc Raedschelders, who has a Houston natural gas well on his property near Pincher Creek in the southwest corner of the province.

Raedschelders said he's not surprised the company is no longer operating, since Houston's surface rights payments to him were often delayed. He's unsure whether the well on his property will be sold to a different company or be decommissioned.

"I don't know what my options are," he said.

Houston has 1,264 wells, 41 facilities and 251 pipelines, according to documents.

The court documents say some of the wells have already been transferred to the Orphan Well Association (OWA) to be decommissioned. The OWA is an industry-funded organization that cleans up old oil and gas infrastructure when companies go bankrupt and the assets cannot be sold.

"If all of Houston's wells are ultimately designated as orphans, the orphan inventory of wells requiring [decommissioning] will increase by nearly 30 per cent," according to a court submission by the OWA. In that event, the AER estimates the price tag at \$81.5 million.

Houston is the latest oil and gas company in Alberta to fail.

Last month, Bellatrix Exploration entered creditor protection and is still looking for a buyer.

In May, Trident Exploration shut down, which put 94 people out of work and left approximately 3,650 wells without an owner.

While there is no official list of how many firms have declared bankruptcy since the oil price crash in late 2014, many others have declared bankruptcy or entered creditor protection.

Some small and mid-sized companies are faring better than others, according to Patrick O'Rourke, an analyst with Calgary-based AltaCorp Capital.

"Everybody is facing headwinds here on a number of fronts," he said, pointing to "lower capital flows, less investor interest and weaker prices."

Big or small, the more successful companies are focused on oil properties or natural gas wells that are "liquid," meaning they also produce higher valued commodities such as ethane, propane, butane, isobutane, and pentane.

Companies primarily focused just on natural gas, seem to struggle the most.

"Gas prices have been extremely challenging, specifically in Alberta," said O'Rourke. "We've seen some strengthening in October with low storage levels and the weather out the window here being pretty cold, but generally, the producers who have pursued that liquids strategy have fared better than some junior gas producers."

According to Houston's web site, the company formed in 2002 and began production in 2015.

"Houston Oil & Gas Ltd. is steadfast in the management of its end-of-life liabilities. The company invests on a monthly basis, addressing the down hole abandonment of wells, decommissioning of facilities, infrastructure and reclamation of wells that are non-productive," according to its web site.

Hardie and Kelly Inc. has been appointed to ensure Houston's wells are properly maintained and to look at possibly selling some of the assets.

CCME: GUIDANCE DOCUMENT ON TRANSBOUNDARY FLOWS AND EXCEPTIONAL EVENTS FOR AIR ZONE MANAGEMENT

CCME has posted the Guidance Document on Transboundary Flows and Exceptional Events for Air Zone Management. Please click [here](#) for details

KEYSTONE LINE TO REMAIN CLOSED UNTIL CORRECTIVE ACTION TAKEN

(Source: Red Deer Advocate) BISMARCK, N.D. — Federal regulators have ordered the Keystone pipeline to remain shut down until its Canadian owner takes corrective action aimed at determining the cause of a breach that leaked an estimated 383,000 gallons (1.4 million litres) of oil in northeastern North Dakota.

The Pipeline and Hazardous Materials Safety Administration issued the order Tuesday to Calgary, Alberta-based TC Energy. The action comes one week after the pipeline leak was discovered and affected about 22,500 square feet (2,090 square meters) of land near Edinburg, in Walsh County.

The pipeline has been shut down since Oct. 29. It is designed to carry crude oil across Saskatchewan and Manitoba, and through North Dakota, South Dakota, Nebraska, Kansas and Missouri on the way to refineries in Patoka, Illinois, and Cushing, Oklahoma.

The order requires the company to send the affected portion of the 30-inch (76-centimetre) steel pipeline to an independent laboratory for testing. The company also must develop a plan to restart the line and for remediation.

TC Energy, formerly known as TransCanada, said in a statement it expects to have the damaged portion of the pipeline excavated by the end of the week.

The company said it has about 200 people at the site working around the clock who are “focused on clean-up and remediation activities.”

“We’re continuing to monitor air quality around the site and the surrounding area throughout clean-up, with no concerns,” TC Energy said.

Karl Rockeman, North Dakota’s water quality division director, said Wednesday about 252,000 gallons (954,000 litres) of crude oil have been recovered.

Rockeman said some wetlands were affected, but not any sources of drinking water.

The pipeline spill and shutdown come as the company seeks to build the \$8 billion Keystone XL pipeline that would carry tar sands oil from Alberta, Canada, to refineries in Texas. The proposed Keystone XL pipeline has drawn opposition from people who fear it will cause environmental damage.

UNIVERSITY OF ALBERTA – CALL FOR NEW CORPORATE AND INSTITUTIONAL PARTNERS FOR SUSTAINABILITY SCHOLARS

The University of Alberta is currently recruiting new corporate and institutional partners for [Sustainability Scholars](#).

Last year, students participated in exciting projects with companies like Stantec, Lafarge Canada, Edmonton Federation of Community Leagues, City of Spruce Grove, City of Edmonton and university staff. The graduate students who filled these internships did significant work that will truly benefit these organizations on their triple bottom line. We invite you to [read their reports](#) to get a sense for what they’ve accomplished and how they might benefit your organization. Potential new partners can download the application and apply by Nov. 15, 2019.

For more information visit: [Sustainability Internships](#)

REMEDATION TECHNOLOGY NEWS AND RESOURCES

(The following are selected items from the US EPA's Tech Direct - <http://clu-in.org/techdirect/>)

Upcoming Live Internet Seminars

ITRC Geospatial Analysis for Optimization at Environmental Sites - November 5, 2019, 1:00PM-3:15PM EST (18:00-20:15 GMT). The purpose of ITRC's Geospatial Analysis for Optimization at Environmental Sites (GRO-1) guidance document and this associated training is to explain, educate, and train state regulators and other practitioners in understanding and using geospatial analyses to evaluate optimization opportunities at environmental sites. With the ITRC GRO-1 web-based guidance document and this associated training class, project managers will be able to: evaluate available data and site needs to determine if geospatial analyses are appropriate for a given site; for a project and specific life-cycle stage, identify optimization questions where geospatial methods can contribute to better decision making; for a project and optimization question(s), select appropriate geospatial method(s) and software using the geospatial analysis work flow, tables and flow charts in the guidance document; with geospatial analyses results (note: some geospatial analyses may be performed by the project manager, but many geospatial analyses will be performed by technical experts), explain what the results mean and appropriately apply in decision making; and use the project manager's tool box, interactive flow charts for choosing geospatial methods and review checklist to use geospatial analyses confidently in decision making. For more information and to register, see <http://www.itrcweb.org> or <https://clu-in.org/live>.

ITRC Remediation Management of Complex Sites - November 14, 2019, 1:00PM-3:15PM EST (18:00-20:15 GMT). This training course and associated ITRC guidance: Remediation Management of Complex Sites (RMCS-1, 2017), provide a recommended holistic process for management of challenging sites, termed "adaptive site management." By participating in this training course we expect you will learn to apply the ITRC guidance document to: identify and integrate technical and nontechnical challenges into a holistic approach to remediation; use the Remediation Potential Assessment to identify whether adaptive site management is warranted due to site complexity; understand and apply adaptive site management principles; develop a long-term performance-based action plan; apply well-demonstrated techniques for effective stakeholder engagement; access additional resources, tools, and case studies most relevant for complex sites; and communicate the value of the guidance to regulators, practitioners, community members, and others. For more information and to register, see <https://www.itrcweb.org> or <https://clu-in.org/live>.

ITRC Characterization and Remediation of Fractured Rock - November 19, 2019, 1:00PM-3:15PM EST (18:00-20:15 GMT). The basis for this training course is the ITRC guidance: Characterization and Remediation of Fractured Rock. The purpose of this guidance is to dispel the belief that fractured rock sites are too complex to characterize and remediate. The physical, chemical and contaminant transport concepts in fractured rock have similarities to unconsolidated porous media, yet there are important differences. By participating in this training class, you should learn to use ITRC's Fractured Rock Document to guide your decision making so you can: develop quality Conceptual Site Models (CSMs) for fractured rock sites, set realistic remedial objectives, select the best remedial options, monitor remedial progress and assess results, and value an interdisciplinary site team approach to bring collective expertise to improve decision making and to have confidence when going beyond containment and monitoring -- to actually remediating fractured rock sites. For more information and to register, see <https://www.itrcweb.org> or <https://clu-in.org/live>.

Substrate Longevity and Long-Term Performance of Biochemical Reactors for Passive Treatment of Mine-Impacted Water - November 25, 2019, 1:30PM-3:00PM EST (18:30-20:00 GMT). The Society of American Military Engineers (SAME) Denver Post and Philadelphia Post along with the US Environmental Protection Agency (EPA) are hosting a series of webinars based on talks given at recent Design and Construction Issues at Hazardous Waste Sites (DCHWS) Symposiums. The mission of the DCHWS symposiums is to facilitate an interactive engagement between professionals from government and the private sector related to relevant and topical issues affecting applications of engineering and science associated with cleaning up hazardous waste sites. The symposiums also serve as a platform to facilitate the exchange of information, encourage dialogue, share experiences, and build and enhance communication among design and construction professionals. Biochemical reactors (BCR) have become an important treatment unit within passive treatment systems (PTS) designed for mine impacted water; however, operational longevity has remained a persistent concern. This presentation will present an overview on the background, history and principles on the use of BCRs to treat mine-impacted water. This will include a detailed review of the configuration, operation and performance of a typical BCR system and will provide data and observations from two long-term (>8 years) operating BCR systems as examples. This presentation will demonstrate that BCRs are an effective low cost, long term, and sustainable option for meeting water quality targets of mine impacted waters. This presentation will be a continuum of the two presentations previously presented (2018, 2019) in the DCHWS West forums. Both of the previous presentations focused on design, construction, and operation, while this presentation will focus on operation and maintenance, long-term performance, and overall system operational lifespan. For more information and to register, see <http://clu-in.org/live>.

ITRC TPH Risk Evaluation at Petroleum-Contaminated Sites - December 3, 2019, 1:00PM-3:15PM EST (18:00-20:15 GMT). The basis for this training course is the ITRC guidance: TPH Risk Evaluation at Petroleum-Contaminated Sites (TPHRisk-1, 2018). The guidance builds on long-standing and current research and experience, and presents the current science for evaluating TPH risk at petroleum-contaminated sites. As a participant in this training you should learn to: recognize the ITRC document as a go-to resource for evaluating TPH risk at petroleum-contaminated sites, recognize how TPH-impacted media interacts with the environment and changes over time, select appropriate analytic method(s) to match site objectives, and apply the decision framework to determine when a site-specific target level may be more appropriate than a generic screening level for TPH. For more information and to register, see <https://www.itrcweb.org> or <https://clu-in.org/live>.

New Documents and Web Resources

Greener Cleanup Metrics. The EPA "Principles for Greener Cleanups" provide a foundation for planning and implementing cleanups that protect human health and the environment while minimizing the environmental footprint of cleanup activities. EPA has developed 14 greener cleanup metrics that may be used to quantify specific portions of the footprint, such as the amounts of refined materials, public water or diesel fuel that are used or the amount of wastewater and hazardous waste that is generated. The metrics provide an optional

means for regulators, private industry and other cleanup partners to collect and track site-specific footprint information across multiple sites in a uniform and transparent manner. On a project level, use of the metrics is anticipated to help the cleanup stakeholders identify best management practices (BMPs) that could be implemented to minimize the footprint. An Excel-based Greener Cleanup Metrics Workbook is available to help parties document and report the metrics. To learn more about the 14 metrics, download the workbook, or view related Q&As, visit <https://clu-in.org/greenremediation/greenercleanupmetrics>.

US EPA Office of Research and Development Journal Article: Measuring Arsenic Speciation in

Groundwater. Arsenic toxicity and mobility in groundwater depend on its aqueous speciation. Uncertainty about the methods used for characterizing arsenic speciation in sulfate-reducing environments limits transport and fate analyses and the development of in-situ remediation approaches for treating impacted aquifers. The paper, "Thioarsenite Detection and Implications for Arsenic Transport in Groundwater," develops new anion-exchange chromatography methods linked to inductively coupled plasma mass spectrometry (ICP-MS) that allow for sample/eluent pH matching. Sample/eluent pH matching is advantageous to prevent thioarsenic species transformation during chromatographic separation because: 1) species protonation states remain unaffected, 2) hydroxyl-for-bisulfide ligand substitution is avoided, and 3) oxidation of reduced arsenic species is minimized. The results help resolve inconsistencies between spectroscopic and chromatographic evidence pertaining to the nature of arsenic in reducing groundwater. View at https://cfpub.epa.gov/si/si_public_record_Report.cfm?Lab=NRMRL&dirEntryId=347049 .

Technology Innovation News Survey Corner. The Technology Innovation News Survey contains market/commercialization information; reports on demonstrations, feasibility studies and research; and other news relevant to the hazardous waste community interested in technology development. Recent issues, complete archives, and subscription information is available at <https://clu-in.org/products/tins/>. The following resources were included in recent issues:

- User Guide: Pulverized Paper as a Soil Carbon Source for Degraded Training Lands
- Making a Difference in Communities: California Gulch Superfund Site (video)
- SRS Uses Recycled Iron to Treat Contaminated Groundwater
- Bio-restoration of Metal-Contaminated Soil Using Biochar to Enhance the Productivity of Marginal Land
- Model Predicts PAH Levels in Important Tribal Food Source
- Guidance for Assessing the Ecological Risks of PFASs to Threatened and Endangered Species at Aqueous Film Forming Foam-Impacted Sites
- PlumeSeeker and PBMO Technologies for Optimization of Site Characterization and Remediation (webinar)
- Technology guide: In-situ Air Sparging

Upcoming Events

Wetland BMP Knowledge Exchange Webinar

Karen Harper with St. Mary's University and Dalhousie University will present on *Biodiversity and ecosystem functioning of forested wetlands across Atlantic Canada* on November 20th 2019

Registration for this free webinar can be found at: <https://www.eventbrite.ca/e/november-2019-wetland-bmp-knowledge-exchange-webinar-tickets-74882853631>

This event is part of the [Wetland Best Management Practices Knowledge Exchange's](#) monthly webinar series. The Knowledge Exchange provides a forum for sharing and exchanging boreal wetland BMP information with a network of industry, government, academic, consulting, not-for-profit, and other interested contacts from across the country. The Knowledge Exchange was developed to address a need for increased information transfer and collaboration that was identified by participants of the Wetlands Best Management Practices Workshop hosted by Ducks Unlimited Canada in January of 2016.

The Knowledge Exchange is supported and administered by Ducks Unlimited Canada (DUC) and membership is free and open to anyone who wishes to join, so please consider sharing this invitation with anyone you think might be interested in participating. You can subscribe to the Knowledge Exchange's newsletter [here](#) to receive a monthly electronic newsletter covering wetland BMP events, studies, demonstrations, products, news, and other related information.

Grassland Restoration Forum - Fall Information Session 2019

Thursday, November 14th, 2019

Claresholm Community Centre, 5920 8th Street West, Claresholm, AB.

“Succession: From Invasives to Restoration”

Our Annual Information Session is a bit earlier this year – next week already! There is still time to register if you'd like to Join us. ***The Grassland (formerly Foothills) Restoration Forum Fall session gathers a variety of industry and grassland stakeholders to exchange current information on grassland restoration and conservation through a variety of presentations, mini updates, open mike time AND booths to explore including local artisans.***

We have a full day's agenda with registration and check in from 8:00am to 8:30. A DRAFT Agenda for the day is attached as a pdf. A few highlights:

- *Annual grasses—a perennial problem? Jane Mangold, Montana State University*
- *Growing Restoration Practice in Alberta's Native Grasslands: Evolving BMPs, Tools and Policy*
- *Targeted Grazing for Invasive Species Suppression*
- *Invasive Species Challenges and Management Strategies in Southwestern Alberta*
- *AEP Native Prairie Protocol for Reclamation Certification of Salt-Affected Wellsites*
- *The New Film! Guardians of the Grassland – Story Brokers Media House, with DU and NCC*

Cost for the day's event:

Registration: \$100.00 per person

Students and Agricultural Producers: \$50.00

*Fees include coffee, snacks, a locally catered lunch and plenty of opportunity to visit and network.

Registration: Online Registration is available at www.grasslandrestorationforum.ca; or you are welcome to contact Donna Watt directly at: corporate@shaw.ca or (403) 563-8925 for student rates, registration, and additional information.

Industry Positions Openings

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

Intermediate or Senior Civil or Environmental Engineer

Term: Full-Time

Application Deadline: December 4, 2019

Job Location: Edmonton

Adelantar
CONSULTING

Intermediate or Senior Civil or Environmental Engineer

Adelantar Consulting is a well established niche environmental consulting company that focuses on building strong relationships with staff, clients, regulators, partners and contractors. Our company focuses on wellness and balance to encourage a safe, supportive, positive environment. We are also committed to working alongside our clients to find thoughtful solutions to their waste management challenges.

Core Values

We are committed to working in accordance with our core company values of respect, fairness and collaboration and recognize each team member as an individual with their own strengths and values.

What We Do

We pride ourselves on excellence in engineering, regulatory and construction support services in delivering large scale containment related projects, including landfills, ponds and surface water management.

Who We Need

We are currently seeking an experienced, curious, and motivated person to join our team. The attitude, integrity and ability to learn of the successful candidate is more important than a particular skill set or level of experience.

Adelantar has extensive technical containment knowledge that can be learned by the successful candidate. The role of the successful candidate will depend on that person's interests and strengths, and is generally expected to include responsibly managing consulting assignments within our collaborative team environment.

Within Adelantar, there is room for significant growth for motivated and enthusiastic team members. We encourage and support all of our team members to work to their highest potential and level of responsibility.

We are interested in hearing from you if this kind of environment is of interest to you then we can have a two way exploration to see if there is a potential good fit.

How To Apply: Email

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

