

Weekly NEWS



An Information Service for Alberta's Environment Industry

The Week Ending November 29th, 2019



EnviroTech 2020

April 27-29, 2020
Hyatt Regency Calgary

Call for Abstracts

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Comments & submissions are welcome!

Please submit your announcement via e-mail to:
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ESAA invites you to submit technical abstracts for the 3rd Annual *EnviroTech*. Abstracts are encouraged in, but not limited to, the following areas:

Water: modelling, monitoring, quality, hydraulic fracturing, emerging contaminants, oilsands issues, saline, contamination, industrial re-use, wastewater treatment, risk management, groundwater, surface water, water wells, wetlands, produced water

Climate Change: adaptation, alternative energy, carbon credits, energy efficiency, energy from waste, GHG monitoring and sampling, regulatory, sustainability, impacts of climate change, CleanTech

Air: monitoring, modelling, sampling, quality, regulatory, noise management

Waste: landfill design, landfill closure, hazardous waste management, emerging contaminants, resource recovery, regulatory

Testing: laboratory testing and sampling, field testing and sampling, monitoring, analysis

Decommissioning: management, safety, hidden dangers, technology

Indigenous: engagement, stewardship, traditional knowledge

Other: topics from areas not listed will also be considered

Abstracts should be no longer than 500 words (not including bio), should include a presenter biography and be submitted as a *Word Document* by no later than midnight on Friday, January 17th, 2020.

For full details, visit: <http://www.esaa.org/envirotech/agenda/call-for-abstracts/>

Sponsorship / Exhibitor Opportunities: Sponsorship and Exhibitor information will be released in early December. If you are interested in receiving the information, please contact: lorrine@tl2.ca

Early Bird Registration: Early Bird Registration is now open. Register before January 31st, 2020 and **save 20%**. [Register Now](#)

We look forward to your continued support of ESAA events and look forward to welcoming you to [EnviroTech 2020](#).

ALBERTA SEEKS OTTAWA'S HELP — AND MONEY — IN CLEANING UP ABANDONED WELLS

(Source: Calgary Herald) The Kenney government wants Ottawa's help — and some money as well — to deal with the growing number of abandoned oil and gas wells in the province, while creating jobs in the process.

If the battling governments are truly looking for places to co-operate, this looks like a sensible place to start.

In a letter sent Monday to Finance Minister Bill Morneau, Alberta is seeking federal assistance to “accelerate the reclamation of abandoned oil and gas wells.”

Finance Minister Travis Toews spoke with his federal counterpart Monday and pressed the issue.

“Ultimately, we would like funding from the federal government to assist us as a province in cleaning up our orphan wells,” Toews told reporters at the legislature.

“It would create jobs in much-needed regions of the province.”

Toews didn't put a price tag on the request but noted [Alberta's Orphan Well Association](#) is facing a growing backlog of such wells that require downhole wellbore abandonment and surface reclamation, but don't have an active owner to pick up the bill.

The tab instead falls to the non-profit association, which is funded by an annual industry levy.

Energy Minister Sonya Savage has asked Natural Resources Minister Seamus O'Regan to support the idea and explore the idea of federal approval of flow-through shares, or some similar tax instruments, to speed up well reclamation work.

“Flow-through shares could also be part of the solution,” Savage said in a statement. “This would help oil and gas companies to raise funds for reclamation and (it) gives additional financial flexibility to address abandoned well sites.”

Federal officials didn't comment on the matter Monday.

The pitch to the Trudeau government is being made as the number of orphan wells have ballooned in Alberta in the wake of a gruelling five-year industry downturn.

According to the Orphan Well Association, there were 3,406 orphan wells slated for abandonment at the beginning of this month, almost a five-fold increase since March 2015.

What's also disconcerting is the number continues to grow, even as the industry's annual funding to the association has ramped up to \$60 million this year from \$15 million five years ago.

However, the failure of petroleum producers such as Lexin Resources Ltd. and Trident Exploration Corp. has added more unwanted wells to the list. Earlier this month, Calgary-based Houston Oil & Gas Ltd. went into receivership, which could potentially [bump up the number of orphan wells by more than 1,000](#).

This isn't the first time Ottawa has been asked to help on this issue.

In May 2017, the former provincial government announced it would lend the Orphan Well Association \$235 million to accelerate reclamation work, with interest on the loan covered by a \$30-million federal grant.

However, the environmental liability problem has continued to mushroom.

Association chief executive Lars De Pauw said the provincial and federal financial assistance has made a difference, allowing the group to decommission about 1,200 wells between May 2017 and September 2019.

“Unfortunately, we had a lot more coming in from other insolvencies,” he said. “Companies are having a hard time out there. There are still insolvencies happening.”

There are also an estimated 93,000 inactive wells in Alberta, meaning they haven't produced oil or natural gas for six to 12 months. According to the Alberta Energy Regulator, this count has increased by about 11,000 in the past five years due to "company insolvencies, low commodity prices and a maturing producing basin."

What can be done to tackle this issue?

The Petroleum Services Association of Canada (PSAC) has proposed provincial and federal governments support the creation of a Resource Environmental Tax Credit, structured as a flow-through share program, to help producers raise funds to close inactive wells, while offering tax benefits to investors.

It estimates the program could raise about \$700 million over three years and lead to 7,000 well sites being closed, while creating 5,750 direct and indirect jobs.

"This would bring in investment money from outside," said PSAC chief executive Gary Mar.

"The economic activity that will be created will more than offset whatever your foregone (tax) revenues are in this, because you're keeping these companies in business."

Proponents say it would generate employment in the sector during a difficult period and also protect the capacity of the sector to do more remediation and industry work when activity levels improve.

PSAC projects the number of wells drilled in Western Canada will fall by 10 per cent next year.

"A lot of these people in the oilpatch on the services side have effectively thrown in the towel ... and this work has to be done," said Ian Thomson, president of Blade Energy Services, which provides well-decommissioning services.

"Having skilled personnel in place is of the utmost importance, and having steady work is the key to that."

The idea of Ottawa putting money towards cleaning up orphan wells also has the support of some environmentalists, although they want to see more details on how the flow-through shares would work.

"It shouldn't be done in a way that ends up being a subsidy for oil and gas," said Keith Stewart, senior energy strategist for Greenpeace Canada.

The bottom line is Alberta has a growing problem with orphan wells. The federal government is looking to build bridges in Western Canada.

Finding common ground on issues such as cleaning up the environment and creating jobs during tough economic times

FINANCIAL ISSUES CONTINUE IN AER, ENVIRONMENT MINISTRY: AUDITOR GENERAL

(Source Edmonton Journal) Financial reporting problems, improper expenses and mismanagement issues at the Alberta Energy Regulator extended beyond a problematic pet project of the regulator's former CEO, the auditor general says.

Financial reporting problems, improper expenses and mismanagement issues at the Alberta Energy Regulator extended beyond a [problematic pet project](#) of the regulator's former CEO, the auditor general says.

In a new report tabled in the legislature Thursday, Alberta's auditor general, Doug Wylie, said the AER's former CEO awarded two \$21,000 cash bonuses to other senior executives after [new provincial rules](#) took effect that forbid such perks.

The auditor could also not find formal approval of an arrangement that allowed former CEO Jim Ellis to claim travel expenses between his home in B.C. and the Calgary office. The AER reimbursed Ellis \$20,000 for those expenses in 2018 before Ellis left the regulator.

The agency also gave up \$1.3 million covering employees' tax costs for parking benefits — even though a government employee told senior executives the tax rules in 2014, the auditor found.

“Generally, I’d describe it as very concerning,” Wylie said of the irregularities he found at AER. “I’d also describe it as atypical of what we see in the operations of agencies and boards in Alberta.”

This latest auditor’s report comes in addition to a [separate batch of October reports](#) in which the auditor, the ethics commissioner and the public interest commissioner joined forces to detail “gross mismanagement” at AER in its relationship to a non-profit corporation called the International Centre of Regulatory Excellence (ICORE).

Improper accounting of ICORE

The creation of the non-profit [ICORE](#) was catalyzed by Ellis, who wanted to share Alberta’s expertise in oil and gas regulation with other energy-producing countries.

The October reports said Ellis had set up the organization as a career exit plan for after he left the AER.

The auditor’s [October report](#) found at least \$2.3 million of AER money was spent by ICORE and never recovered. About 50 AER employees who were employed by AER were found to have done work for ICORE.

The October reports also found text message evidence senior AER executives were taking steps to cover up expense claims related to ICORE.

For the 2018-19 fiscal year, the AER tried to claim ICORE operated as a separate, non-profit entity. On Thursday, the auditor general said he rejected that claim, prompting him to give the AER a “qualified audit opinion” on their finances, signalling he disagrees with their accounting. Adding that caveat is “very rare,” Wylie said Thursday.

ICORE’s financial results should have been consolidated with AER’s, Wylie said.

The auditor made three new recommendations to AER: to improve processes for expense claims, long-distance work arrangement and succession planning and to ensure it’s following public compensation laws and tax rules.

In September, the United Conservative Party government [fired and replaced](#) the AER board and ordered a review of the organization.

\$25 million unpaid royalties

A follow-up audit included in Wylie’s annual report also finds that Alberta Environment and Parks is not sufficiently protecting the province against financial and environmental risks of un-reclaimed sand and gravel pits.

\$25 million in royalties is owed to government by oilsands operators due to exemptions given by the department without proper authority, the report found.

“Ten years after our original audit, the processes for reclamation monitoring and enforcement are still inadequate, and so is reclamation security,” Wylie said, noting that the department does not properly collect security or royalties from pit operators.

This leaves Albertans to shoulder a shortfall if operators do not pay, Wylie said. The government has no concrete plan to recoup that money, he said.

The province has also made some progress on previous recommendations. It is now collecting \$28 million more per year from insurance companies to help cover health-care costs for people injured in vehicle crashes. The government gave up about \$140 million over five years by underestimating the cost of treating collision injuries, the auditor said.

‘Completely unacceptable’

AER has accepted all auditor recommendations and has already improved some of its processes, spokeswoman Cara Tobin said in a Thursday email.

The agency has updated its expense policies, to better track expenses and check they’re in line with government rules, she said. It has updated its travel policy to clarify what’s allowed, and updated whistleblower and respectful workplace policies to improve the culture, she said.

Kavi Bal, press secretary to Energy Minister Sonya Savage, said Thursday the AER's interim board is using the findings of the October reports and the new auditor's report in its review of the agency.

"Public servants are beholden to the taxpayer and the findings confirmed today are completely unacceptable practises," Bal said in an email.

NOVA SCOTIA PULP MILL'S EFFLUENT FOCUS REPORT LACKS DETAIL: FEDERAL DEPARTMENTS

(Source: Global News) Nova Scotia's premier declined comment Tuesday after federal input on a plan to pump millions of litres of treated wastewater from a pulp mill into the Northumberland Strait was made public.

Stephen McNeil said that if he were to comment on the federal criticism ahead of a provincial Environment Department decision on Northern Pulp's project, he would be accused of interfering in the process.

"It's a very difficult position to be in, but it's the one I'm in," he told reporters. McNeil also reiterated that there are no plans to change the legislated Jan. 31 date for the closure of the mill's current treatment facility in Boat Harbour, N.S.

"There's nothing before me that says it needs to go beyond that date," he said.

Provincial Environment Minister Gordon Wilson is to make a final decision on the new treatment plant by Dec. 17 following a review of the mill's so-called focus report. The department asked for the report following an environmental review in March, when then environment minister Margaret Miller said the government needed more information about the plan.

Northern Pulp plans to build a new treatment plant for its mill near Pictou, N.S., and move the treated effluent through a 15-kilometre-long pipeline into the strait.

Five federal departments made submissions to the Environment Department during a public comment period for the report, which ended on Nov. 8 – Environment Canada, Health Canada, the Department of Fisheries and Oceans, Transport Canada and Public Services and Procurement Canada.

In documents obtained by several media outlets, including The Canadian Press, the departments were largely critical of the focus report, saying it lacked necessary information and noting the province's 36-day comment period was not long enough for a detailed analysis of its more than 2,000-pages.

"The report was, overall, found to be cumbersome to navigate and incomplete in certain areas," Public Services and Procurement Canada said in its submission.

"Additionally, several review participants noted that the volume of information was such that a 30-day review period was insufficient to complete an in-depth review of related material."

Officials also pointed out that there appeared to be an "underlying assumption" that potential leaks in the buried marine portions of the pipeline are not an issue.

"If this is accurate, Northern Pulp Nova Scotia would need to expand on the rationale used to support this," the department said.

Environment Canada raised concerns about the mill's use of two-dimensional rather than three-dimensional modelling to estimate the dilution of the treated effluent, saying it was not the best approach.

"There are a number of underlying deficiencies in the assumptions used in the models and the fundamental baseline information," the department said. "There remains a high level of uncertainty regarding the fate of effluent particles and their potential impacts on the receiving environment."

DFO said it identified a number of gaps in the mill's information, particularly on marine species, which it found to be "lacking and at times, factually inaccurate."

Meanwhile, Health Canada said it didn't have adequate information to assess whether the project "may pose unacceptable or un-mitigatable risks/adverse effects to human health."

Last week several groups, including area fishermen, the Pictou Landing First Nation and the Friends of the Northumberland Strait, called on the province to reject the mill's report, saying it lacked information and minimized the risk to fishing grounds.

Jill Graham-Scanlan of the Friends of the Northumberland Strait said the federal submissions bolster their position. "It really, I think, sends a strong message to the province that they can't approve this project," she said.

Those opposed to the project have also called for a federal review, something Ottawa has previously said is under consideration with the passage in August of the new federal Impact Assessment Act.

In an emailed response Tuesday, federal Environment Minister Jonathan Wilkinson wasn't specific about the Northern Pulp file but said he is still reviewing a "series of designation requests" from the Impact Assessment Agency and would make a definitive decision on all of them by Dec. 20.

DE BEERS DEFENDS SNAP LAKE MINE CLOSURE AND RECLAMATION PLAN

(Source: CBC News) De Beers Canada is defending its plan to close the defunct Snap Lake diamond mine and reclaim the site and surrounding area amidst some disagreement about the science behind its proposal.

The diamond company faced questions on its application to renew the mine's water licence from the territorial and federal governments and the Mackenzie Valley Land and Water Board at a public hearing in Yellowknife Tuesday.

The current licence is set to expire in 2020 and a new one has to be issued before the final closure and reclamation plan can be approved.

The underground Snap Lake mine, located 220 kilometres northeast of Yellowknife, opened in 2008 and was De Beers' first diamond mine outside of Africa.

While the mine was expected to produce diamonds for 15 years, in December 2015, the company [announced it was closing the mine](#) which it said was a "troubled operation" from the start. The site was then put under a temporary closure phase called care and maintenance.

Accuracy questioned

At the hearing, representatives from the territorial government expressed concern about the amount of waste that could be deposited into Snap Lake. They also questioned the accuracy of De Beers' water models, suggesting its estimates are too low.

But De Beers said its application is based on years of research and scientific data and that its proposal prioritizes environmental protection.

"The proposed application submitted will continue to ensure the water will be safe to drink and the fish will be safe to eat," Erik Madsen, lead of corporate affairs for De Beers, told CBC in an email.

He also said when it comes to discharging water into Snap Lake, it will be less than two per cent of the peak water flow when the mine was in operation.

De Beers and the territorial government also disagree about the amount of financial security required. These are funds provided by De Beers that the government will hold and return to De Beers once the mine has been closed and the site reclaimed, or used to complete the project should De Beers abandon it.

The government has recommended the security estimate be increased by \$2,047,811 to a total of \$87,520,940. But Madsen said the amount De Beers has proposed "reflects the activities that are being proposed for care and maintenance and closure."

A representative from the water management and monitoring division of the territorial Department of Environment and Natural Resources said the review process of De Beers' application is important as Snap Lake is the first of four diamond mines to enter closure in the N.W.T. The representative also said scientific disagreements are common.

The mine was allowed to flood with water at the beginning of 2017 and De Beers announced plans to close it for good. It submitted its [final closure and reclamation plan](#) to the Mackenzie Valley Land and Water Board in March 2019.

De Beers' proposal includes two phases. The first spans eight years and includes: decommissioning facilities, capping the North Pile, a surface disposal facility used to store processed kimberlite and waste rock, water management, and reshaping and re-vegetating land. The second post-closure phase is anticipated to last at least ten years and includes long-term monitoring.

That plan has completed the preliminary screening process and De Beers said it expects the plan will be approved in 2020.

The Mackenzie Valley Land and Water Board has the final authority on whether it will renew the water licence and approve the closure and reclamation plan. The public hearing continues Wednesday.

ALBERTA RECLAMATION AND RESTORATION ECONOMY SURVEY

We are conducting research into Alberta's reclamation and restoration economy on behalf of the **Canadian Forest Service, Natural Resources Canada**. This research is an important step towards quantifying Alberta's reclamation and restoration industry. The value for you is in quantifying the importance of your industry and its contribution to the Alberta economy. The study will also help demonstrate the critical role of reclamation and restoration in ensuring that Alberta can achieve sustainable resource development and sustainable cities. Your response will make a difference.

This survey should take about 15 minutes of your time. Instructions are found on the introductory page. Responses will be kept anonymous and results aggregated to protect the privacy of people, companies, and organizations.

A report summarizing the results of the survey plus the background literature review will be available in 2020. It will be available through Chris Powter.

To save time, please have the following information available before beginning the survey:

- number of staff involved in R&R activities;
- number of full-time equivalents that equate to the staff numbers; and,
- approximate value for R&R revenue and expenses for the last fiscal year.

The survey is available online at https://www.surveymonkey.com/r/RandR_Economy_Survey_and_closes_December_20. If you would prefer to get the survey in an alternate format (Word or pdf), or provide your responses by phone, please contact Chris.

Survey Contacts

Enviro Q&A Services: Chris Powter at enviroqas@shaw.ca for information and requests

Regulatory and Strategic Affairs Center: Richard Dixon – rjdixon@ualberta.ca

Canadian Forest Service, NRCan: Nicolas Mansuy (825) 510-1238, nicolas.mansuy@canada.ca.

ADOPT AN ORGANIZATION

Christmas is the season of giving and what better way to give back as a company than by giving back to an organization in need. ERA has decided to hold a nationwide campaign called "*Adopt an Organization*". This is similar to the well-known Adopt a Family campaign with a twist. Instead of donating presents to a family who cannot afford it, companies can now pick a charity from ERA's wish list and make their dream a reality this Christmas.



Adopt an Organization is about more than the organizations receiving technology; it's about providing organizations with support and encouraging their mission so that they can be a positive advocate within the community. Many organizations find it extremely hard to save a portion of their already rigid budget to buy the technical equipment they may need to create

more awareness online. In the eyes of other organizations, it is not a necessity and therefore isn't first on the priority list when deciding on where to spend the money they have been allocated. Therefore, ERA donating devices to organizations in need is a big weight off their shoulders and they can use their technology funding for other projects they are working on throughout the year.

How to apply for our Adopt an Organization:

1. Gather up all the electronics within your office and have your employees bring in their obsolete devices from home, the more the merrier.
2. Count all functional devices and all non-functional devices on separate lists.
3. Contact our team at Julia@era.ca or Jessica@era.ca
4. Work with the team to pick from our waitlist of organizations in need.
5. Schedule a pickup.

How to be involved in the donation event:

1. Stay connected with our Marketing team.
2. Work with them on the date, venue and time of the event.
3. Supply ERA with a statement for the press release.
4. Spread the word of the event through your companies' social media platforms.
5. Adopt an Organization will commence December 19th 2019 and will run through Christmas until January 19th 2020.

ESAA Member News

GFL ENVIRONMENTAL BUYS AGI GROUP OF COMPANIES

(Source: Daily Commercial News) VAUGHAN, ONT. — GFL Environmental has announced it has acquired the AGI group of companies, including Ground Force Environmental, Robert Cooke Trucking and WasteAway Recycling Environmental.

GFL, headquartered in Vaughan, Ont., is the fourth largest diversified environmental services company in North America, with services that include infrastructure and soil remediation across Canada and in 23 states in the United States, noted a Nov. 20 statement.

AGI is a provider of environmental remediation and waste management services, primarily within the Kitchener-Waterloo area.

"The acquisition of AGI expands and complements GFL's existing liquid waste and soil remediation capabilities in southwestern Ontario," said Patrick Dovigi, GFL's founder and CEO, in the statement.

"We look forward to welcoming AGI's management team and employees, led by Dan Forsyth, to the GFL team, and continuing to provide its customers with sustainable environmental solutions." In July, GFI announced it had acquired U.S.-based Safe Soil facilities, a firm that specializes in recycling contaminated soil.

Upcoming Events

Registration is Now Open!

SEIMA IS PLEASED TO ANNOUNCE THAT THE 2020 SUSTAINTECH CONFERENCE WILL BE HELD THURSDAY MARCH 19, 2020 AT THE DELTA HOTELS BY MARRIOTT SASKATOON DOWNTOWN (FORMERLY THE RADISSON SASKATOON) IN SASKATOON, SASKATCHEWAN.

SustainTech continues to be a well-attended conference that promotes sustainability and environmental responsibility and brings together industry, academia, consultants, and regulators to share ideas on new developments and technologies that help us make a better and more sustainable world.

The conference highlights the latest environmental practices and technologies from industry, consultants, and regulators to address sustainability issues over the lifecycle of Saskatchewan's principal resource sectors, including: agriculture, mining, and oil and gas.

SEIMA has obtained a room block at the host hotel for @159.00 per night. Please call 1-800-721-7033 and let them know you are booking under the Saskatchewan Environmental Industry Managers Association or SustainTech to book.

The Full Conference Program will be announced Friday, November 30, 2019.

SEIMA has obtained a room block at the host hotel for \$154.00 per night. Please call 1-866-999-0861 and let them know you are booking under the Saskatchewan Environmental Industry Managers Association or SustainTech to book.

[Register for SustainTech 2020!](#)

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

Environmental Professional – Risk Assessment

Number of Positions: 1

Application Deadline: November 29, 2019

Job Location: Calgary, Edmonton or Orange County



This position is open to any of the locations listed below:

- *Calgary or Edmonton, AB*
- *Burnaby, BC*
- *Orange County, CA*

Advisian, the independent consulting business line of Worley, provides a true end-to-end offering for clients, with approximately 3,000 people in 25 countries around the globe, integrating strategy, management, and technical consulting expertise. We provide solutions for clients in the Hydrocarbons, Minerals & Metals, Chemicals, and Infrastructure industries. We have combined the deep technical consulting capabilities of Worley Consulting, Select and INTECSEA with our existing strategy and management consulting expertise. As part of one of the world's largest engineering firms, we continue to push boundaries and extend our capabilities globally. Worley 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.

What we offer you

The Intermediate or Senior Environmental Professional will provide services to the Decommissioning and Restoration, Risk Assessment Practice. The successful candidate will have at least 5 years of experience in environmental management of contaminated sites, and strong interpersonal, management and leadership skills. The successful candidate will be organized, detail oriented and good at multi-tasking to support the successful completion of a variety of different work assignments. The ideal candidate must have experience with complex spreadsheets, mathematics and statistical analysis, data management and report writing. The ideal candidate should also have a range of experience in human health and/or ecological risk assessment, be well versed in project management and must be able to provide direction to junior and intermediate staff. The candidate must be willing to support field programs when necessary. Experience in toxicology, permitting and valid safety training relevant to the area would be a benefit. This is a full-time role with opportunity to work out of several Advisian offices across North America depending on your location. As our ideal candidate for this dynamic and challenging role, your responsibilities will consist of the following tasks:

Responsibilities and Key Accountabilities:

- Provide management support for small to large and simple to complex environmental projects;
- Maintain client relationships using good management practices;
- Maintain an excellent working knowledge of local regulations. Knowledge of the regulatory framework in other jurisdictions is also considered an asset;
- Participate in business development initiatives to grow our business;
- Complete work assignments on time and on budget;
- Effectively manage changes to work tasks;
- Conduct project reviews, as needed;
- Provide technical project support, as needed; and
- Provide mentorship, direction and skill assignments to junior staff.

Experience and Qualifications:

- A relevant university degree in environmental engineering, chemistry, biology, geology or other science / engineering-based degree. Preference will be given to candidates with a graduate degree although this is not necessary;
- At least 5 years of consulting experience in contaminated sites, working for a range of clients.
- Professional registration is an asset;
- Strong technical background in one or more of the following areas: environmental sciences / engineering, earth sciences, chemistry, geology / hydrogeology, agronomy, biology;
- Experience managing complex environmental issues;
- Experience with human health and/or ecological risk assessment;
- Experience with statistical evaluation and mathematics, data management and reporting;
- Skills in developing innovative technical solutions;
- Sound business performance;
- Familiarity with local regulations;
- Experience with regulatory permitting, remediation / reclamation technologies and current HSE certifications are an asset;
- Strong interpersonal, management and leadership skills;
- Willingness to mentor less experienced staff;
- Ability to communicate effectively with strong written and verbal skills;
- Ability to support business development, client management, project management and project review;
- Computer skills; and
- Ability to work in a fast-paced, multi-tasked environment.

Advisian (part of the Worley 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.

How to Apply: Interested candidates may submit their application at:

<https://worleyparsons.taleo.net/careersection/ext/jobdetail.ftl?job=LOS002A&tz=GMT-07%3A00&tzname=>

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

Junior Environmental Consultant

Term: Full-Time

Number of Positions: 1

Application Deadline: December 27, 2019

Job Start Date: ASAP

Job Location: Sherwood Park



North Shore Environmental Consultants Inc. is a progressive environmental company that specializes in providing environmental management and consulting services. Since our inception in 2002, North Shore has offered cost-efficient and effective solutions to the complex environmental challenges faced by today's industries. We offer our employees exceptional career development opportunities and an excellent team-oriented working environment.

North Shore is currently seeking a **Junior Environmental Consultant** for our **Reclamation and Remediation Team**, based out of **Sherwood Park, Alberta**.

Key Responsibilities:

- Assist with the coordination and execution of Phase 1, Phase 2, and Phase 3 Environmental Site Assessments through to reclamation certification
- Assist with the development and execution of reclamation, and remediation projects in central and northern Alberta as well as northeastern British Columbia
- Complete vegetation assessments and weed management activities in forested, tame pasture, and cropland settings
- Assist with the coordination and execution of Detailed Site Assessments
- Assist during initial spill response projects as required
- Prepare technical reports
- Provide assistance to senior staff in the office, as required
- Promote our company's vision, mission, and principles

Qualifications:

- 1 – 3 years of consulting experience related to remediation, reclamation, or environmental science
- Good understanding of upstream oil and gas regulatory requirements, particularly reclamation criteria
- Experience with vegetation and weed identification
- Willingness to travel and be in the field for extended periods of time
- Technical Diploma or University Degree in environmental science or related discipline
- Eligibility, to obtain professional designation with an organization such as the Alberta Institute of Agrologists
- Proficient with Microsoft Office Suite and database entry
- Valid driver's license
- Good physical health and ability to work outdoors in varying conditions
- Willingness to work within a team environment
- Highly organized and have the ability to prioritize multiple tasks

North Shore Environmental Consultants Inc. supports a shared commitment to a Representative Workforce that is respectful and reflective of all staff and clients. North Shore strives to build diversity among our staff to increase our ability to provide high-quality service to our diverse client base.

How to Apply Details:

Please submit your resume via email to careers@northshoreenv.com.

We thank all applicants for their interest; however, only those considered for an interview will be contacted. For more information about North Shore, please visit our website at www.northshoreenv.com. This position will remain open until a suitable candidate is found.

Intermediate Environmental Consultant



Term: Full-Time

Number of Positions: 1

Application Deadline: December 27, 2019

Job Start Date: ASAP

Job Location: Sherwood Park

North Shore Environmental Consultants Inc. is an employee-owned, progressive environmental company that specializes in providing environmental management and consulting services. Since our inception in 2002, North Shore has grown and succeeded throughout western and northern Canada by providing cost-efficient and effective solutions to the complex environmental challenges faced by today's industries. By keeping in line with our core values as well as maintaining focus on both our employee and industry relationships, North Shore will continue to be a leader amongst its peers.

We offer our employees a team-based working environment with flexible working arrangements, attractive compensation and field work incentives, performance-based bonus programs, a comprehensive health benefit package, numerous paid perks, and the opportunity to participate in our Employee Share Ownership Program (ESOP). North Shore promotes and encourages its employees to continue their career advancement through continuous education, competency development, and memberships within recognized professional organizations. Therefore, North Shore

provides generous support to its employees through paid training and educational programs, reimbursement of annual professional fees, and ensuring regular attendance opportunities at various conferences and industry events.

North Shore is currently seeking an **Intermediate Environmental Consultant** for our **Reclamation and Remediation Team**, based out of **Sherwood Park, Alberta**.

Key Responsibilities:

- Developing and implementing reclamation and remediation plans on abandoned upstream oil and gas wellsites
- Overseeing the completion of remediation and reclamation projects. Coordinating and supervising heavy equipment and other third party contractors as required
- Assisting with the oversight of client budgets, tracking project statuses, and making recommendations to progress sites towards regulatory closure
- Coordinate and execute Phase 1 Environmental Site Assessment (ESA) site visits, vegetation assessments, Phase 2 ESA's, and Detailed Site Assessments (DSA's)
- Collaborate with members of the Technical Resource Group to develop site-specific remediation guidelines
- Develop and maintain relationships with landowners and other stakeholders
- Work closely with interdisciplinary groups (Technical Resource Group, Data Management Group, Spill Group, Biophysical Group, and Vegetation Group) to successfully execute client projects and programs
- Compiling various technical documents including DSA reports, Phase 2 ESA reports, remediation reports, and regulatory closure applications
- Provide mentorship and training to junior staff
- Provide support to senior staff as required

Qualifications:

- 3 – 5 years of consulting experience related to remediation, reclamation, or environmental science
- Proficient at completing Detailed Site Assessments using the 2010 Reclamation Criteria for Wellsites and Associated Facilities
- Familiar with the Alberta Tier 1 and 2 Soil and Groundwater Remediation Guidelines
- Good understanding of upstream oil and gas regulatory requirements in Alberta, as well as British Columbia and Saskatchewan, will be considered an asset
- Knowledge and experience working with various types of farming and heavy equipment
- Excellent vegetation and weed identification skills in both forested and cultivated landscapes
- Willingness to travel and be in the field as dictated by project requirements
- Technical Diploma or University Degree in environmental science or related discipline
- Eligibility, to obtain professional designation with an organization such as the Alberta Institute of Agrologists
- Excellent communication, writing, and problem-solving skills
- Proficient with Microsoft Office Suite and database entry
- Valid driver's license
- Good physical health and ability to work outdoors in varying conditions
- Willingness to work within a team environment
- Highly organized and have the ability to prioritize multiple tasks

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How to Apply Details:

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Emergency Responder

Term: Full-Time

Application Deadline: December 6, 2019

Job Location: Grande Prairie



Career Opportunity – Emergency Responder/Environmental Consultant

Ridgeline Response, a Division of Ridgeline Canada Inc is looking for environmental leaders to support our emergency response team in our Grande Prairie office.

The successful candidates will have a diverse skill set and experience including but not limited to; initial spill response, containment and recovery, environmental site assessment, sample collection, remediation, analytical interpretation, surface reclamation, vegetation identification, wildlife management and technical writing.

Qualifications and Experience

- Degree (or Diploma) in Environmental Sciences or related discipline;
- Minimum of 2 years of transferable work experience;
- Working towards a professional designation;
- Previous experience in spill/release events in Western Canada, initial response, containment and recovery techniques, regulatory compliance, communication with stakeholders (clients, landowners, regulators) and experience in the field execution of site specific remediation action plans;
- Experience in environmental assessment, remediation and reclamation practices on private and public lands;
- Experience with technical report writing, preparation of borehole logging, site diagrams, formatting site and aerial photographs;
- Knowledge of pertinent provincial and federal environmental regulations;

Competencies and Safety Training

- Strong commitment to customer satisfaction;
- Possess strong verbal and written communication skills, exemplary interpersonal skills and is very detail oriented and organized;
- Ability to work and be available on a 24/7 basis for dispatch (when required);
- Precise attention to detail and ability to produce professional quality field documentation;
- Accountable to all assigned project tasks;
- Accurate data entry into electronic project databases;
- ICS/WCSS knowledge and training as well as possessing all current and relevant safety tickets is a definite asset.
- Class 5 Drivers License

Responsibilities

- Emergency response at a field level in the region;
- Communicate field observations and project status updates to direct supervisor (Emergency Response Supervisor);
- Adhere to project objectives that are established by the regulator, client and direct supervisor;
- Perform field and office duties in accordance with Ridgeline standards;
- Ensure all work activities have been accurately documented and uploaded to project specific files by the field staff assigned, ensure all required documentation (including safety documentation);
- Accountability to adhere to the technical and financial project objectives;
- Provide daily project status updates to direct supervisor;
- Ensure compliance with all safety regulations and SOP's are completed as regularly required and all safety documentation is forwarded to HSE from field staff. Identify and communicate all safety hazards to direct supervisor and HSE manager and provide hazard controls;
- Remain current with environmental legislation, regulatory updates, and safety requirements;
- Work within a team environment and accountability structure;
- Technical report writing.

Rewards

- Competitive salary, expense reimbursement and vacation;
- Professional development opportunities;
- Internal and external training programs;
- Group life and health benefits;
- Work life balance.

At Ridgeline we invest in our personnel, we take pride in our open team orientated culture and strive to provide and sustain a balance between the professional and personal lifestyle. We offer the opportunity to our valued employees to be challenged and grow within Ridgeline through an energetic and engaging team environment.

For further information, please refer to our website at www.ridgelinecanada.com.

This posting will remain open until a suitable candidate has been selected.
We thank all applicants for applying and advise that only those candidates selected for interviews will be contacted.

To apply for this position, please send your resume to the Human Resource Department;
careers@ridgelinecanada.com

Emergency Response Supervisor / Project Manager

Term: Full-Time

Application Deadline: December 6, 2019

Job Location: Grande Prairie



Career Opportunity – Emergency Response Supervisor/Project Manager

Ridgeline Response, a Division of Ridgeline Canada Inc is looking for environmental leaders to support our emergency response team in our Grande Prairie office.

The successful candidates will have a diverse skill set and experience including but not limited to; initial spill response (containment and recovery), environmental site assessment, planning and supervising remediation/reclamation projects, field data collection, analytical interpretation, vegetation identification, wildlife management, and technical review.

Qualifications and Experience

- Degree (or Diploma) in Environmental Sciences or related discipline;
- A minimum of 7 years of transferable work experience;
- Professional designation or working towards a professional designation;
- Previous experience in spill/release events in Western Canada, initial response, containment, and recovery techniques, regulatory compliance, communication with stakeholders (clients, landowners, regulators) and experience in designing and executing site specific remediation action plans;
- Experience in the management of spill response, environmental assessment, and remediation projects on private and public lands;
- Experience in creating and maintaining project scopes of work and budgets;
- Experience with technical report review;
- Knowledge of pertinent provincial and federal environmental regulations;

Competencies and Safety Training

- Strong commitment to customer satisfaction;
- Possess strong verbal and written communication skills, exemplary interpersonal skills and is very detail oriented and organized;
- Ability to work and be available on a 24/7 basis for mobilization (where required);

- Precise attention to detail and ability to produce professional quality deliverables on time and on budget;
- Accountable to all assigned projects and client portfolios;
- Accurate data entry into electronic project databases
- ICS/WCSS knowledge and training as well as possessing all current and relevant safety tickets is a definite asset.
- Class 5 Drivers License

Responsibilities

- Overall project management for spill/release events in the region;
- Communicate project objectives and progress updates with clients and regulators;
- Develop and manage project budgets;
- Create scopes of work in accordance with Ridgeline standard operating procedures (SOP);
- Assign project tasks to field staff;
- Dispatch emergency response team;
- Review and interpret laboratory analytical results;
- Accurately track and manage project costs, data flow, the project timeframes, and deliverables;
- Provide periodic updates on projected targets and actual costs to supervisor Emergency Response Manager;
- Ensure all field work has been accurately documented and uploaded to site specific files by the field staff assigned, ensure all required documentation (including safety documentation), work with the support of our technical team to determine site specific guideline objectives and project goals;
- Review completed reports for accuracy and formatting.
- Work with the billings coordinator to manage the invoicing process;
- Ensure compliance with all safety regulations and SOP's are completed as regularly required and all safety documentation is forwarded to HSE from field staff. Educate field professionals of any hazards and provide hazard controls;
- Remain current with environmental legislation and regulatory updates, provide updated information as it becomes available to staff;
- Provide opportunities for mentorship, training, and development of field professionals;

Rewards

- Competitive wages, expense reimbursement and vacation accrual;
- Professional development opportunities;
- Internal and external training programs;
- Group life and health benefits;
- Work life balance.

At Ridgeline we invest in our personnel, we take pride in our open team orientated culture and strive to provide and sustain a balance between the professional and personal life style. We offer the opportunity to our valued employees to be challenged and grow within Ridgeline through an energetic and engaging team environment.

Contact Information

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This posting will remain open until a suitable candidate has been selected.

We thank all applicants for applying and advise that only those candidates selected for interviews will be contacted.

To apply for this position, please send your resume to the Human Resource Department;

careers@ridgelinecanada.com