

Weekly NEWS



An Information Service for Alberta's Environment Industry

The Week Ending September 27th, 2019



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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



RemTech 2019
October 16-18, 2019
Fairmont Banff Springs

Starts in 3 Weeks – Register Now

35 Delegate Passes Remaining

RemTech 2019 starts in just 3 weeks. There are only 35 delegate passes remaining. The program features **80** technical presentations, and four amazing keynotes and two networking receptions.

Topic Areas include: Sulfolane Remediation, Digital Technology Innovations, Legal/Regulatory Updates, Phytoremediation, Brownfields, Northern and Unique Locations, Risk Based Closure - Fact or Fairy Tale, In-Situ, Land Stewardship and much more.

RemTech 2019 Keynotes:

- Opening Keynote: **Saskatchewan's Uranium Mining Legacy** - Ian Wilson, Remediation Manager, Saskatchewan Research Council
- Thursday Keynote: **The Ripple Effect** - Annie Griffiths, Photographer, Founder and Executive Director of Ripple Effect Image
- Friday Breakfast Keynote (new addition): **One Giant Leap: The Impossible Mission that Flew Us to the Moon**, Charles Fishman, Author, Journalist
- Closing Keynote: **Veryovkina – Exploration of the World's Deepest-known Cave and the Race to Escape it**, Robbie Shone, Photographer, Cave Explorer, Visual Story Teller

You can check out full program at: www.esaa.org/remtech/agenda/



ESAA is pleased to announce that *RemTech 2019* is bullfrog powered with 100% green energy. This means that Bullfrog Power's generators put 100% green energy onto the grid to match the amount of conventional energy the event uses, displacing energy from polluting sources.

RemTech Sponsors.

Platinum: Trace Associates

Gold: CHEMCO Inc * ClearStream Energy Services * Ecoventure * Ernco Environmental * Great Excavations * JSK Consulting * KBL Environmental * Nelson Environmental Group * North Shore Environmental Consultants * Proactive Environmental Rentals * Remote Helicopters * Ridgeline Greenfill * SECURE Energy Services * TerraStryke * Veolia * Waste Management

Silver: Alberta Society of Professional Biologists * Bionera * Earthmaster Environmental Strategies * ECO Canada * EnviroSearch * Geosyntec Consultants * In-Situ, Inc. * Iron Creek Group * McLennan Ross LLP * Milestone Environmental Contracting * Mud Bay Drilling * Precision Liability * Rice Resource Technology * Solstice Canada * Summit, an Earth Services Company * Terralogix Solutions * Tervita Corporation * Thurber Engineering

Bronze: Bureau Veritas * ERIS * Ivey International * Pro-Source Insurance & Risk Management * Willms & Shier Environmental Lawyers LLP

Opening Reception: Beaver Municipal Solutions

Lanyards: Ivey International

Room Keys: Sublatus Earthworks and Environmental

Opening Keynote Breakfast: TRIUM Environmental

Charging Station: JSK Consulting

Conference App: Willms & Shier Environmental Lawyers LLP

Thursday Keynote Luncheon: Matrix Solutions

Friday Breakfast Sponsor: AGAT Laboratories

Friday Keynote Luncheon: Waste Connections of Canada

Silent Auction: ClearStream Energy Services

Reception Drink Tickets: Proactive Environmental Rentals

Artworks Reception: Intrinsic * JSK Consulting * THINK Envirotechnical * Trace Associates

Photo Booth Wednesday: Trace Associates

Photo Booth Thursday: SECURE Energy Services

Full details available online at: www.esaa.org/remtech/

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AND DATA TABULATION FOR
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Local company with 25 years experience in Alberta's oil and gas industry.

We are environmental experts who will present your drawings and data professionally and cost-effectively. No job is too big or too small.

We have completed thousands of environmental projects for many happy clients.

Environmental work is ALL we do and we know exactly what regulators want to see.

All work is hourly - only use us when you need us. Accuracy guaranteed.

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REMTECH 2019 - REQUEST FOR SILENT AUCTION ITEMS

RemTech is not only a great learning and networking event but it has also turned into one of the largest charity fundraisers for the environment industry. In the past 13 years, over \$698,000 has been raised for charity at *RemTech*.

In the past, **your support has been incredible and we are so appreciative of that.** This year we are really, really, really short of auction items and are requesting donations. **Be creative!**

All proceeds from the auction will be donated to the Environmental Artworks Foundation of Alberta and the Ilsa Mae Research Fund at Muscular Dystrophy Canada.

All donors will be highlighted in the conference app, conference website (www.esaa.org/remtech/charities/www.esaa.org/remtech/charities/) and on the bid sheets.

To donate an item or for more information, contact Joe Chowaniec at the ESAA Office, chowaniec@esaa.org

Thank you in advance for your support!



OUR 2018-19 RESULTS ARE NOW AVAILABLE ONLINE

We are excited to share with you a big change in our Annual Report! We have gone to a fully digital format as a simple but important step toward encouraging reduction and managing our resources more responsibly. This includes the respective program progress reports.

The Annual Report can be accessed by clicking the link below:

[**2018-19 Alberta Recycling Management Authority Annual Report**](#)

It is fully accessible and integrated into our main website so that it is seamless for visitors to explore. We welcome your feedback on the new format. Please feel free to send any comments you may have to info@albertarecycling.ca.



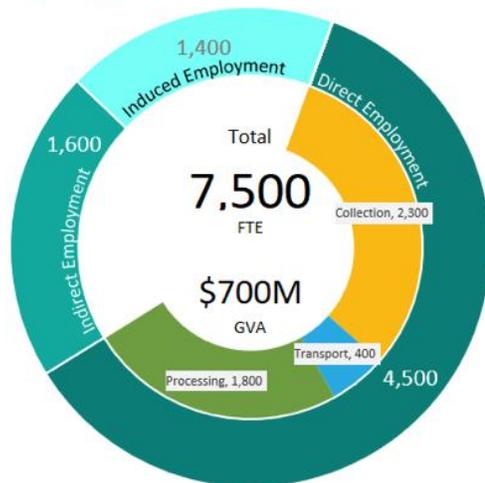
ALBERTA'S RECYCLING SECTOR COULD CONTRIBUTE \$1.4 BILLION TO THE ECONOMY, REPORT FINDS

Alberta's recycling sector generated \$700 million in economic value in 2018, as well as supporting over 7,500 direct jobs, new analysis has found. The analysis also highlights the potential to increase this contribution in future to \$1.4 billion in economic value, and 13,000 jobs. In addition to the benefits to the Alberta economy, materials collected in Alberta that are processed and utilized in neighboring jurisdictions provide additional jobs in those areas which were not included in the study.

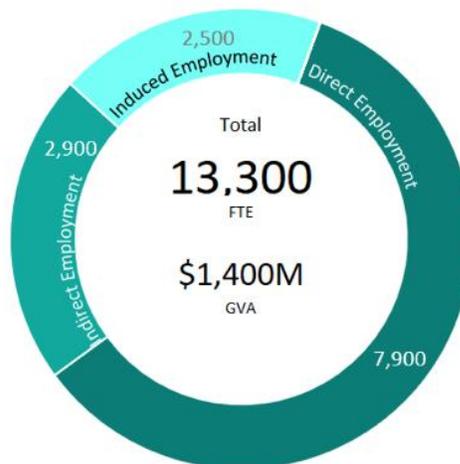
The report, commissioned by the Recycling Council of Alberta and funded by Alberta Economic Development and Trade, Alberta Recycling Management Authority, Beverage Container Management Board, and Cleanfarms, documents the type and scale of recycling in Alberta. Undertaken by [Eunomia Research & Consulting](#), it measures the economic and employment benefits the sector brings to the province, including job creation, wages, provincial tax benefit, capital investment and overall contribution to Alberta's Gross Domestic Product.

The study found that more residents had access to services than previously thought, with 75% of all Alberta households able to access curbside recycling services, and 44% also having access to organics diversion programmes for recycling organic waste. In total, the research estimates that 1.15 million tonnes of material were diverted for recycling in 2018, an average of 260 kg per Alberta resident.

Current Economic Benefit from Recycling



Potential Total Economic Benefit from Recycling



Researchers from Eunomia also found that, despite the overall success of the sector, significantly more could be done to increase the amount of recycling taking place. The analysis found that taking action to increase and diversify Alberta's recycling programs could almost double the amount of material being diverted for recycling, with the accompanying economic benefits.

Jodi Tomchyshyn London, President of the Recycling Council of Alberta, said:

"This report confirms Alberta's recycling industry already provides significant value to our economy, and validates the additional value that would be created if Alberta expanded and enhanced its recycling systems to simply meet what is already achieved in other provinces. The bottom line is Alberta has an opportunity to capitalize on its waste generation and diversify its economy by moving swiftly to adopt progressive approaches that will see materials like packaging and paper effectively managed to become part of a circular economy."

Sarah Edwards, the lead author of the report, said:

"While it's fantastic to see the economic benefits that the current recycling system provides to Alberta, it's important to note that there are huge benefits to expanding current activities. Alberta leads the way in the diversity of services it offers, and maximising the potential of these will only increase the economic, employment and environmental benefits to the province."

The results will be presented at the Recycling Council of Alberta conference, Sea Change, at the Jasper Park Lodge at 3:30 pm on October 2. For the full conference details and schedule visit the [RCA website](#).

Notes

The full report is available to download [here](#)

- 546,000 tonnes of residential recyclables were collected through curbside and depot services for recycling in Alberta in 2017, this resulted in 2,000 direct, indirect and induced jobs, providing \$110 million in wages and contributing \$210 million to the Alberta economy.
- The current Alberta Paint Recycling Program results in 110 direct, indirect and induced jobs providing \$6 million in wages and generating \$12.5 million of GVA to the Alberta economy.
- The Alberta Beverage Container Stewardship Program generates 2,280 direct, indirect and induced jobs and \$142 million in GVA the program estimates that 1.9 billion containers were returned resulting in 96,000 tonnes of material being recycled into new products.

- The Alberta Electronics Recycling Program generates 320 jobs and over \$33 million in GVA processing over 12,000 tonnes of material for recycling.
- The Alberta Tire Recycling Program generates 410 direct, indirect and induced jobs contributing \$49 million to the Alberta economy.
- The Alberta Used Oil Materials Recycling Program generates 640 direct, indirect and induced jobs and \$69 million in GVA from the collection and processing of oil, filters and plastic oil containers.
- The Alberta Cleanfarms Stewardship Program generates 19 jobs and \$2.4 million in GVA.
- A total of 1.2 million tonnes of additional material could be recycled through improvements to current programs and introduction of new. This would result in 5,800 extra jobs and an additional \$700 million in GVA.

About the Recycling Council of Alberta

The RCA's mission is to promote and facilitate waste reduction, recycling, and resource conservation in the Province of Alberta. Through a consultative approach and support of the RCA Committees and partners (i.e., government, industry, stewardship organizations and other associations) and additional stakeholders, the RCA will pursue protection of the environment through resource conservation following the 3Rs hierarchy. For more information about the RCA please visit <https://recycle.ab.ca>.

UNIVERSITY OF ALBERTA FACULTY OF AGRICULTURE, LIFE & ENVIRONMENTAL SCIENCES – PILOT MENTORSHIP PROGRAM – RECRUITING MENTORS

The University of Alberta's (UofA) Faculty of Agriculture, Life & Environmental Sciences (ALES) Pilot Mentorship Program (Pilot 2.0) is currently recruiting mentors! This could be you as an industry/government/consultant/NGO professional or alumni.

Last year the piloted program was a resounding success with 6 students. This year, as we continue to improve the program, we are trying to double the program with 10-12 students (protégés). Testimonials from last year's participants are listed below.

As part of this mentorship program, we are looking to establish paired and triad Mentorship relationships between the 3rd and 4th/5th year UofA ALES environmental/forestry students (protégé) and experienced professionals who want to be mentors. In a paired relationship, the student would be paired with an experienced mentor; in the triad a student would be paired with an ECO Canada certified EPt or EP in addition to another environmental professional from the public (may or may not be an EP with ECO Canada).

The goals of the PILOT for the mentees/students (protégés) are to:

- create a comfortable learning environment
- learn from seasoned professionals through a guided curriculum
- challenge the protégé to explore career paths and possibilities
- gain respect, recognition and connections with the environmental field
- develop valuable soft skills and professional resources

The Pilot 2.0 connects protégés with experienced mentors to support the next generation of environmental professionals and help them navigate the working world. The program is not intended to provide internships or job offers. Note there is a mandatory orientation on November 21, 2019 at the University that all accepted protégés and mentors must attend. The Pilot 2.0 is running the Session Guide with 8 modules between November 2019 and June 2020 and is about 1.5-2 hr per month of your time. This timeframe is set to support the students during their transition from academia into the real working world.

Does this sound like something that would be of interest and benefit for you? Of course, this would count towards your annual professional development requirements, if applicable, and be a great way to connect you with other like-minded individuals and industry professionals in your area.

Please contact **Lynette Esak** via e-mail at lynette.esak@esakconsulting.com, if you would like to learn more. It's a great way for you to give back and build connections. You may also pass on this email to your colleagues who you know may be interested.

Testimonials from Pilot 1.0 (2018-2019):

- *Program is incredible!*
- *The pairing was amazing and mentor had a fantastic wealth of knowledge. Through their life, work and academic experience they were able to help guide my goals, enhance my knowledge and confidence on numerous skills, learn more about continuing academics and understand realities of the workforce as a coming graduate.*
- *Great experience!*
- *It's a great way to give back, share your knowledge to try and help someone else and even learn something yourself!*
- *Contributing to the positive development of a rising professional!*

POLLUTION FOUND IN US RIVER DOWNSTREAM OF CANADA MINES

(Source: Daily Express) U.S. government scientists found high levels of pollution that can be toxic to fish, aquatic insects and the birds that feed on them in a river that flows into Montana and Idaho from a coal mining region of Canada, officials said Monday.

Elevated levels of selenium were found in fish and fish eggs from the Kootenai River downstream of Lake Kootenai.

The lake straddles the Canada border in northwestern Montana and southern British Columbia, and feeds into the Kootenai before the water flows downstream to Idaho.

Selenium is a naturally occurring mineral that can be released into rivers and streams during surface mining. It was absent from water samples taken from tributaries of the Kootenai downstream of the lake, indicating it's coming from mining-related sources upstream, Environmental Protection Agency hydrologist Jason Gildea said.

No human health impacts were expected from the levels detected in the Kootenai.

High levels of selenium can kill animals and cause them reproductive problems. Animals that lay eggs are most at risk because the pollution accumulates in eggs.

Kent Karemaker, a spokesman for British Columbia's mining agency, said he had not seen the pollution study and could not immediately offer a response. Regulators from the province participate in a cross-border monitoring group with their counterparts from Montana.

Concern about pollution from mines in British Columbia has been building for years.

U.S. senators from Alaska, Montana, Idaho and Washington state said in a June letter to British Columbia's leader that Canadian regulators need to do more to prevent mining waste from fouling downstream U.S. waterways.

In July, representatives of towns and tribes in the region said the pollution threatens the livelihoods of those who depend on fishing and other forms of recreation.

Selenium concentrations in water entering Lake Kootenai have been increasing for decades, but the pollution had not previously been found at high levels in the Kootenai River.

"We weren't expecting to find elevated levels" in the river's fish, Gildea said. "To see this result indicates that something is going on and we're a little concerned about it."

Earlier studies showed the pollution in Lake Kootenai comes from coal mining in the Elk Valley of British Columbia.

The latest findings come from a joint study by researchers from the U.S. Geological Survey, EPA, Kootenai Tribe of Idaho and wildlife agencies in the Montana and Idaho. More than 140 fish were evaluated, and high levels of selenium were found in six mountain whitefish and one redbreast shiner.

Elevated levels of mercury were found in three fish sampled, but Gildea said that most likely was deposited by air pollution and not mining.

Further studies are needed but whether they happen will depend on funding, said Ayn Schmit, an EPA water policy adviser.

New ESAA Members

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

Full Member:



Blade Energy Services Corp.

Suite 800 500 5th Ave SW
Calgary, AB T2P 3L5
Phone: (403) 804-4108

Ian Thompson, President
e-mail: ithomson@blade-es.com

We proudly serve West Central Alberta with safe and efficient fluid hauling, earthworks and environmental management services for well site reclamation.

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Resolve Earthworks & Environmental

#2004 1112 9th St SW
Calgary, Alberta T2R 0Y5
Phone: (587) 229-7095

Website: <http://www.resolve-earthworks.ca>

Mr Mike Tuyttens, President
e-mail: mtuyttens@resolve-earthworks.ca

Resolve Earthworks & Environmental is a solutions driven remediation, reclamation, civil earthworks, demolition & decommissioning, pipeline Integrity and protection contractor. Bringing over 40 years of combined experience, our team of dedicated project management and field-service personnel understand the level of performance our clients expect, and what is required to deliver projects that solve our clients' challenges.

Upcoming Events

SMART Remediation Seminar Series 2020 CALL FOR ABSTRACTS

SMART Remediation invites you to submit an abstract to present at our 2020 Seminar Series.

We are very excited as this is our 10th anniversary year! Come join us in the fun.

SMART talks have focused on innovative technologies for contaminated sites, approaches for characterization, case studies, regulatory and industry perspectives, and more. We invite you to share your experience with your environmental community. Topics of interest could include (but not limited to):

- Treatment Systems / Methods (Physical / Biological / Chemical / Thermal)
- Advances with in-situ and ex-situ remediation
- On-site excess soil treatment and management
- Risk Assessments and Remediation
- Sub-slab depressurization and vapour intrusion control
- Regulatory / Industry Perspectives on site remediation
- Solidification / Stabilization
- Natural Attenuation
- Advanced site characterization, delineation and monitoring
- Emerging Technologies
- Emerging Contaminants
- Interesting developments in the research field
- Case Studies

For more information on SMART Remediation and past topics, visit www.smartremediation.com

Abstracts should be no more than 500 words and include a presentation description and presenter biography. Also please include your preferred speaking location(s) (Toronto, Ottawa, Edmonton and/or Calgary). If you are interested in submitting an abstract or have any questions, please contact [Bruce Tunnickliffe](mailto:Bruce.Tunnickliffe). Please submit your abstract/presentation to info@smartremediation.com by October 21, 2019.

Toronto - January 23, 2020
Ottawa - February 6, 2020
Edmonton – March 2020 (date to be determined)
Calgary – March 2020 (date to be determined)

We will announce the dates for our SMART Alberta series shortly.

If you would like to help us with the organization or any of our events, please reach out to help, we enjoy working with others to ensure the SMART Remediation events are of the highest quality and value to our amazing environmental community!

For more information, please visit www.smartremediation.com

Industry Positions Openings

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

Junior Environmental Consultant



Term: Full-Time

Number of Positions: 1

Application Deadline: October 18, 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 licence
- 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: 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.

Junior Environmental Consultant



NORTH SHORE
Environmental Consultants

Term: Full-Time

Number of Positions: 1

Application Deadline: October 18, 2019

Job Start Date: ASAP

Job Location: Lacombe

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How to Apply:

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.