

Weekly NEWS

esaa Environmental
Services
Association of
Alberta

An Information Service for Alberta's Environment Industry

The Week Ending June 5th, 2020

**STAYS SAFE
AND STAY
POSITIVE**

Inside this Issue:

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**Comments & submissions
are welcome!**

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



PASSING FOR FORMER ESAA EXECUTIVE DIRECTOR

Jerry Keller. Jerry was ESAA's Executive Director from 2000-2005. Jerry passed away on May 18th. Condolences to his entire family on behalf of the ESAA Family. It is with heavy hearts, and deep sadness that we announce the passing of Jerry on May 18, 2020. Leaving behind his wife Diana, daughter Kellyann Olchove, his son Leonard (Sandy) Olchove and his granddaughter Samantha Olchove who he thanked God for every day. He is also survived by his Father Tony Keller, sister Dolores (Gordon)

Gesy, his niece Christina David, nephew Kristopher (Olivia) David, Barbara Hopson, and Henry Bordeleau. Jerry had a large extended family and would be difficult to mention them all.

Due to Covid-19, there will be a private family gathering.

Please, in lieu of flowers donations may be made to the Mazankowski Heart Institute, and are appreciated. To send condolences or to share a memory, tribute or photo, please visit www.glenwoodmemorial.com

EnviroTech
Virtual EnviroTech 2020
June 11 & 12

Starts in 7 Days – Still Time to Register

ESAA is pleased to announce that the program for the virtual version of EnviroTech is now available online at: www.esaa.org/envirotech/agenda/. The program features 27 talks, spread over seven (7) webinars over the two (2) days.

ESAA has intentionally kept the registration fees low and are asking everyone to register, spread the word about the event and presentation. Approximately 90% of ESAA's revenues come from events, and now more than ever your Association needs your support!

New Information:

- Abstracts Now available via the Agenda page
- 14 hours of potential professional development
- Can't make all of the presentations. Don't worry - you can come and go out of the presentations as needed.
- Missed a presentation. All of the presentations will be recorded and available to registered participants only.

Registration rates: (includes all seven webinars)

- Member: \$49
- Non-Member: \$79
- Registration Link: [Click Here](#)

Diamond Sponsor



Virtual Event Sponsors



How can you help ESAA?

- Register
- Spread the word to clients, colleagues and via platforms like LinkedIn.

ESAA WEEKLY WEBINAR SERIES

Only four (4) webinars remaining in the first series of webinars. The webinar series is taking a break over the summer and will return in the fall. If you are looking for the archives of previous presentations, they can be found online at:

www.esaa.org/webinars

powered by



Upcoming Webinar Schedule
(updated June 4th, 2020)

| Title | Date | Registration Link | Sponsored by: |
|--|--|------------------------------|---|
| NEW – New World of Work Sharon Kolodychuk, Salopek & Associates | Monday, June 8th 11 am – 12 pm | Register Now | Available |
| Effective In-Situ LNAPL and DNAPL Site Remediation Using Innovative Surfactant Enhanced Remediation Techniques George (Bud) Ivey, Ivey International | Wednesday, June 10th 11 am – 12 pm | Register Now |  |
| NEW – Virtual EnviroTech 2020 27 presentations, 7 webinars, 13 hours of Professional Development AGENDA | Thursday & Friday, June 11th and 12th Various Times | Register Now | |
| How To Manage Remote Work Effectively and Reduce Cost During Critical Times Vincent Lam and Sean Huang, Matidor | Wednesday, June 17th 11 am – 12 pm | Register Now |  |

**NEW – Alberta Birds with
Brian and Joe**
Brian Keating and Joe
Chowaniec

Thursday, June
25th
1 pm – 2 pm

[Register
Now](#)

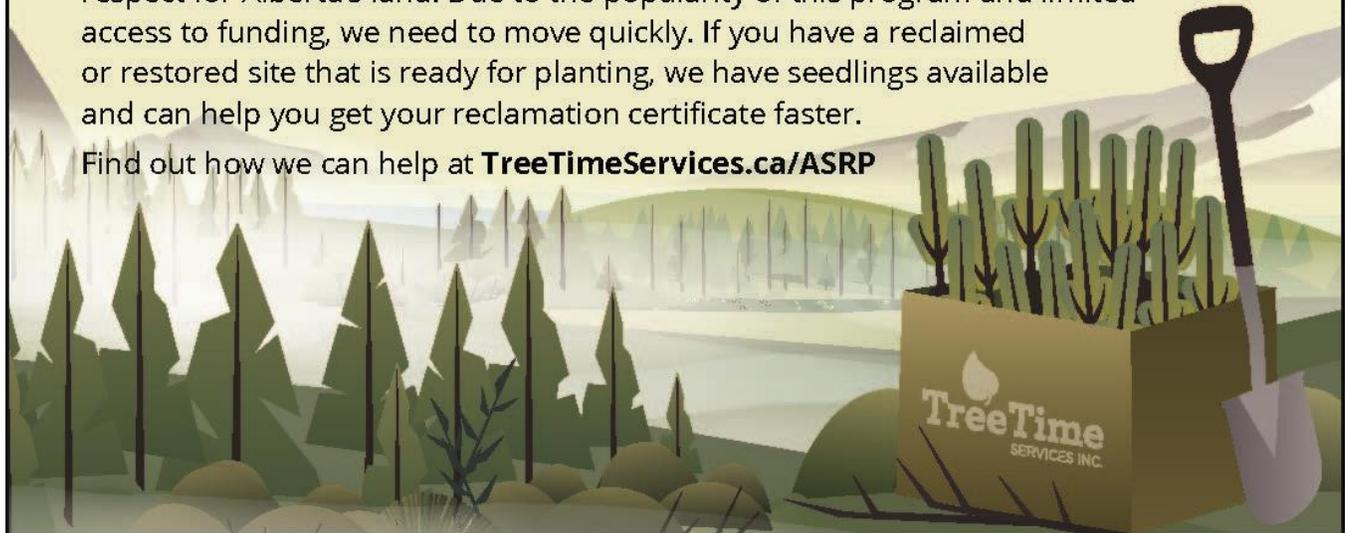


The time for positive impact is now.

The Alberta Site Rehabilitation Program has launched.

With this, comes many opportunities for Alberta's economy and the environment. Tree Time provides support to our clients through all stages of their reclamation projects, maintaining the highest level of health and safety standards, and respect for Alberta's land. Due to the popularity of this program and limited access to funding, we need to move quickly. If you have a reclaimed or restored site that is ready for planting, we have seedlings available and can help you get your reclamation certificate faster.

Find out how we can help at TreeTimeServices.ca/ASRP



RemTech 2020 Update – Call for Abstracts Extension

ESAA is continuing to monitor the COVID-19 situation and following the advice of medical authorities. ESAA remains hopefully that we will reach the final stage of reopening in time for *RemTech* which allows for industry events. At this time, we are unsure of what the restrictions will be with regard to events during that time. Thank you for your patience during this time.

RemTech 2020
October 14-16, 2020
Fairmont Banff Springs

[Call for Abstracts Extended \(July 17th\)](#)

ESAA invites you to submit technical abstracts focusing on technologies for the remediation of contaminated soil. Abstracts are encouraged in, but not limited to, the following areas:

- In-Situ and Ex-Situ Treatment

- Physical / Biological / Chemical Treatment
- Soil Washing and Scrubbing
- Thermal Desorption
- Incineration
- Stabilization / Solidification
- Immobilization
- Aeration
- Soil Venting
- Membranes
- Encapsulation
- Vitrification
- Natural Attenuation
- Oil Sands Remediation / Reclamation
- Oil Spills Management
- New Technology and Research
- Remote and Difficult Locations
- Reclamation
- Emerging Contaminants
- Superfund Projects
- Landfill Closure
- Phyto-remediation
- All other related topics will be considered

The preliminary selection of presentations will be based on submitted abstracts and reviewed by a panel of peers.

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 July 17th, 2020.

Before submitting your abstract, ensure that client approval has been obtained for your potential presentation.

- Send abstract submissions to Joe Chowaniec via email to: info@esaa.org
- Notification of acceptance will be given by August 21st, 2020.
- Full presentations must be submitted by September 30, 2020.
- Full details available: www.esaa.org/remtech/agenda/call-for-abstracts/

Early Bird Registration is now open with special delegate rates available for Members and Non-Members. **Register Now and save 15%.** Early bird rate ends July 17th, 2020.

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

CRIN 'LAND' WORKSHOP REPORT

JWN Energy, the Clean Resource Innovation Network, Husky Energy and InnoTech Alberta collaborated on this important thought leadership paper with key industry stakeholders. The paper explores next generation ways and means of dealing with land and wellsite management, leveraging the innovative thinking and practical approaches being developed by industry and service providers. Clean Tech is in, and we are excited to work toward 'changing the brand' with technologies and business processes that will take our industry to the next level! For more information visit: www2.jwnenergy.com/Novel_Land_Wellsite_Reclamation

BC DORMANT WELL CLEAN-UP PROGRAM NEARLY FULLY SUBSCRIBED ON FIRST DAY

A new program to restore dormant and inactive wells, and bring support to B.C. workers in oil and gas service companies has seen significant interest from applicants.

"The applications we have received in a single day propose upwards of \$152 million worth of reclamation work, which, if completed, will reclaim over 2,400 inactive wells," said Bruce Ralston, Minister of Energy, Mines and Petroleum Resources. "The extraordinary interest in the program is great news as we work to get our economy moving again and help clean up the environment."

The first application to the Dormant Sites Reclamation program was received within 15 minutes of opening on May 25, 2020, and by the end of the day the Province had received over 1,100 applications from more than 80 service companies and contractors. It is estimated that the program could support up to 1,200 jobs for British Columbians, many of them within the northeast region of the province.

On April 17, 2020, the Government of Canada announced \$120 million in funding for B.C. to support the clean up of oil and gas sites. The Province rolled out three new programs on May 19, 2020, to bring this funding to B.C. industry.

The \$100 million in funding allocated to the Dormant Sites Reclamation program will provide successful applicants with up to \$100,000, or 50% of total costs, whichever is less, for dormant site clean up projects. The program is split into two phases of \$50 million each. Applications for the second half will open on November 1, 2020. Of the remaining federal funding, \$15 million is going to the B.C. Oil and Gas Commission's (BCOGC) Orphan Sites Supplemental Reclamation program, and \$5 million to the Legacy Sites Reclamation program.

These programs are open to oil and gas field service companies and contractors based in B.C., with registration, office and operations in B.C.

Learn More:

For information on the Dormant Sites Reclamation program, visit: <https://www2.gov.bc.ca/gov/content/industry/natural-gas-oil/responsible-oil-gas-development/dormant-sites-reclamation-program>

To find out more about the BCOGC's management of Orphan Sites in B.C., visit: <https://bcogc.ca/public-zone/orphan-site-management>

YUKON GOVERNMENT HAS VALID CLAIM IN WOLVERINE MINE BANKRUPTCY, JUDGE RULES

(Source: Yukon News) The Yukon government will take priority over anyone else owed money by the bankrupt Yukon Zinc Corporation once it spends the rest of the mining company's security deposit cleaning up the Wolverine mine site, a judge has ruled.

Yukon Supreme Court Justice Suzanne Duncan issued a scathing decision on issue May 26, clearing the way for the territorial government to continue remediation efforts at the site without having to tap into public funds — yet.

"This application arises because of an irresponsible mining venture in the Yukon," Duncan wrote, referencing a request from the government's Department of Energy, Mines and Resources for an order declaring it had a claim of \$35,548,650 against the company.

"It raises the tensions inherent in society's and the legislatures' quest to strike an appropriate balance between ensuring effective environmental regulation and encouraging profitable, responsible resource development. It also demonstrates the limits in the applicable legislation and the need for the regulators to be vigilant in order to protect against potential burdens on taxpayers."

Yukon Zinc and the Wolverine mine, located about 280 kilometres northeast of Whitehorse between Ross River and Watson Lake, are the latest in a string of companies and mineral projects in the Yukon that have been abandoned and left for the government to clean up.

The company was put into receivership, on the application of the Yukon government, in September 2019 after years of failing to maintain environmental standards at Wolverine and an increasingly perilous financial situation.

The mine had been in care-and-maintenance since 2015 after unfavourable metal prices led to the cessation of actual mining activity. The government stepped in October 2018 to address flooding and water contamination issues, and has been on-site doing remediation work ever since.

The government has been funding the work with the \$10,588,966 in security Yukon Zinc did provide, out of the total \$35,548,650 that it owed.

Duncan ultimately found that the Yukon government did not have a valid \$35,548,650 claim against Yukon Zinc as it could not provide certainty that remediation and clean-up efforts would cost that exact amount.

She ruled that the government would, however, get first dibs on any assets remaining after spending the security it did have on clean-up work.

Lawyers for the Yukon government had stated that it expects it will have used up the \$10,588,966 by the end of 2020.

Duncan noted provisions in other jurisdictions like Alberta and the Northwest Territories, where governments have more power to do inspections and enforce the payment of securities on abandoned oil wells and mines.

"This case then, serves to point out the limits of the current Yukon legislation, as well as the need for the regulator to be vigilant in ensuring environmental remediation costs do not escalate and become a burden on others, including taxpayers," she wrote.

"There is a balance," she wrote in another part of the decision, "to be struck in encouraging responsible economic development in the Yukon in the context of the competitive mining world, and ensuring that mining activities are completed to closure in a way that protects the environment, not at taxpayers' expense."

ARCTIC CIRCLE OIL SPILL PROMPTS RUSSIA TO DECLARE STATE OF EMERGENCY

(Source: BBC News) Russia's President Vladimir Putin has declared a state of emergency after 20,000 tonnes of diesel oil leaked into a river within the Arctic Circle.

The spill happened when a fuel tank at a power plant near the Siberian city of Norilsk collapsed last Friday.

The power plant's director Vyacheslav Starostin has been taken into custody until 31 July, but not yet charged.



The plant is owned by a subsidiary of Norilsk Nickel, which is the world's leading nickel and palladium producer.

The Russian Investigative Committee (SK) has launched a criminal case over the pollution and alleged negligence, as there was reportedly a two-day delay in informing the Moscow authorities about the spill.

Ground subsidence beneath the fuel storage tanks is believed to have caused the spill. Arctic permafrost has been melting in exceptionally warm weather for this time of year.

President Putin expressed anger after discovering officials only learnt about the incident on Sunday.

Russian Minister for Emergencies Yevgeny Zinichev told Mr Putin that the Norilsk plant had spent two days trying to contain the spill, before alerting his ministry.

The leaked oil drifted some 12km (7.5 miles) from the accident site, turning long stretches of the Ambarnaya river crimson red.

In a televised video conference on Wednesday, Mr Putin criticised the head of the company over its response.

"Why did government agencies only find out about this two days after the fact?" he asked the subsidiary's chief, Sergei Lipin. "Are we going to learn about emergency situations from social media?"

The region's governor, Alexander Uss, had earlier told President Putin that he became aware of the oil spill on Sunday after "alarming information appeared in social media".

The spill has contaminated a 350 sq km (135 sq mile) area, state media report.

Image copyright AFP Image caption President Putin expressed shock after hearing officials only became aware of the spill days later

In a statement, Norilsk Nickel said the incident had been reported in a "timely and proper" way.

The state of emergency means extra forces are going to the area to assist with the clean-up operation.

The accident is believed to be the second largest in modern Russian history in terms of volume, an expert from the World Wildlife Fund, Alexei Knizhnikov, told the AFP news agency.

The incident has prompted stark warnings from environmental groups, who say the scale of the spill and geography of the river mean it will be difficult to clean up.

Greenpeace has compared it to the 1989 Exxon Valdez disaster in Alaska.

Oleg Mitvol, former deputy head of Russia's environmental watchdog Rosprirodnadzor, said there had "never been such an accident in the Arctic zone".

He said the clean-up could cost 100bn roubles (£1.2bn; \$1.5bn) and take between five and 10 years.

It is not the first time Norilsk Nickel has been involved in oil spillages.

[In 2016, it admitted that an accident at one of its plants](#) was responsible for turning a nearby river red.

Minister of Natural Resources Dmitry Kobytkin warned against trying to burn off such a vast quantity of fuel oil.

He proposed trying to dilute the oil with reagents. Only the emergencies ministry with military support could deal with the pollution, he said.

Barges with booms could not contain the slick because the Ambarnaya river was too shallow, he warned.

He suggested pumping the oil on to the adjacent tundra, although President Putin added: "The soil there is probably saturated [with oil] already."

REMEDIATION 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 TPH Risk Evaluation at Petroleum-Contaminated Sites - June 9, 2020, 1:00PM-3:15PM EDT (17:00-19:15 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>.

Former BICC Cables Site Construction Hudson River Sediment Cap Under the EPRI Building Yonkers, Westchester County, New York - June 10, 2020, 1:00PM-3:00PM EDT (17:00-19:00 GMT). This presentation will highlight work at the BICC Cables Site, a former cable manufacturing facility whose operation led to contamination of on-site soil and sediment by polychlorinated biphenyls (PCBs), has been the subject of remediation efforts since 2005. The impacted sediment could not be efficiently and safely removed by dredging as a result of horizontal and vertical spatial limitations, safety concerns, and the heavy debris content. Therefore, an engineering control was required to contain and treat the PCB impacted sediment. In addition to the engineering challenges posed by the site conditions, the need to work within the waters of the Hudson River created an extremely complex regulatory context. The presentation will discuss a Multi-Layer Sediment Cover System (SCS) engineering control which was designed and implemented to contain and treat the PCB-impacted sediment under the 29,500-square-foot EPRI Building in the Hudson River. In addition, SCS Remote Sensing System load cells with fiber optic cables were installed to monitor long-term movement and integrity of the SCS. Proactive stakeholder engagement was necessary to navigate the project through the two-year permitting process by leading numerous design presentations and negotiation sessions with the five regulatory agencies. Routinely adjusting the installation approach and construction schedule were also necessitated by the nature of working in a dynamic water body. For more information and to register, see <https://clu-in.org/live>.

ITRC Remediation Management of Complex Sites - June 11, 2020, 1:00PM-3:15PM EDT (17:00-19:15 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>.

Cleanup and Redevelopment of Removal Action Sites in the Kansas City Metropolitan Area - June 12, 2020, 2:00PM-3:30PM EDT (18:00-19:30 GMT). Each year, thousands of emergencies involving hazardous substances are reported in the United States. Emergencies range from small-scale spills to large incidents requiring prompt action and evacuation of nearby populations. In response to these emergencies, EPA conducts short-term cleanups - called removal actions - to protect human health and the environment. This webinar will highlight EPA's involvement at removal sites and examples of successful removal site redevelopment in the Kansas City metropolitan area. The webinar will share lessons learned and information for those interested in Superfund site reuse and commercial, residential, agricultural and industrial redevelopment. For more information and to register, see <https://clu-in.org/live>.

New Documents and Web Resources

Superfund Research Program (SRP) Research Brief 305: Arsenic Complicates Groundwater Bioremediation. A common groundwater contaminant, trichloroethene (TCE), can be reduced by certain bacteria, a process known as bioremediation. But, according to a new NIEHS SRP study, this process may stall when arsenic is present. In a study led by Lisa Alvarez-Cohen, Ph.D., researchers at the University of California, Berkeley, assessed whether arsenic affected the TCE-degrading activities of *Dehalococcoides mccartyi* strain 195 (Dhc195), which is known to convert TCE into nontoxic products. View more information at https://tools.niehs.nih.gov/srp/researchbriefs/view.cfm?Brief_ID=305

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:

- Quarterly Operations Report Third Quarter 2019 Soil Vapor Extraction Containment System, Site 1 Former Drum Marshalling Yard NWIRP Bethpage, NY
- Investigative Area 6 (IA-6) IRM Progress Report Addendum: April/May & July 2019 Groundwater Sampling for the Former Hoffmann-La Roche Inc. Facility, Nutley, New Jersey
- Phase 2 Pilot Study Completion Report: Shell Pond Remediation Pilot Study Project, Bay Point, California
- Proof-of-Concept for the in situ Toxicity Identification Evaluation (iTIE) Technology for Assessing Contaminated Sediments, Remediation Success, Recontamination, and Source Identification
- SRS Deploys Innovation to Clean Up Groundwater Contamination
- Brenntag Southwest, Wichita, KS - 1520 North Barwise, Fourth Quarter 2018: Progress Report
- Fort Drum Moves Toward 2020 Environmental Goal
- Coastal Tank Farm, El Dorado Refinery
- Technical Resources for Addressing Environmental Releases of Per- and Polyfluoroalkyl Substances (PFAS)
- Passive Sampling of Groundwater Wells for Determination of Water Chemistry: Chapter 8 of Section D. Water Quality, Book 1. Collection of Water Data by Direct Measurement
- Thermal Treatment of PFAS in Environmental Media: A review of the state-of-the-science

ESAA MEMBER NEWS



**IVEY INTERNATIONAL INC. AWARDED THE
ENTERPRISE TECHNOLOGY REVIEW “TOP
10 ENVIRONMENTAL TECHNOLOGY
SOLUTION PROVIDERS - 2020 AWARD”**

Ivey International Inc.



Congratulations to Ivey International on being awarded the Top 10 Environmental Technology Solution Providers Award for 2020 by Enterprise Technology Review. Full details can be found at: <https://environmental-technology.enterprisetechologyreview.com/vendor/ivey-international-inc-decontaminating-the-environment-one-work-site-at-a-time-cid-111-mid-20.html>

Industry Positions Openings



As a benefit of ESAA Membership, ESAA Members can now post position openings on our website at no charge. Position opening ads also will appear in the newsletter at no charge. For full details visit: <https://www.esaa.org/news/job-board/>

Note: You must still complete the advertising form. After completing the order form, you will receive an email with a link to post your position.

Non-Members are welcome to advertise as well for a nominal charge. Visit [advertising form](#) to place your order.

| Job Title | Organization | Application Deadline | Term | Details |
|--|--|----------------------|-----------|----------------------|
| Intermediate/Senior Vegetation Ecologist | Trace Associates Inc. | 2020-06-30 | Full-Time | more |
| Intermediate Environmental Consultant | North Shore Environmental Consultants Inc. | 2020-06-30 | Full-Time | more |
| Junior Environmental Consultant | North Shore Environmental Consultants Inc. | 2020-06-30 | Full-Time | more |
| Intermediate Report Reviewer | North Shore Environmental Consultants Inc. | 2020-06-30 | Full-Time | more |
| Business Development Coordinator | Trium Environmental Inc. | 2020-06-30 | Full-Time | more |
| Remediation Specialist | TRIUM Environmental Inc. | 2020-06-30 | Contract | more |
| Remediation Supervisor | TRIUM Environmental Inc. | 2020-06-30 | Contract | more |
| Remediation Lead | TRIUM Environmental Inc. | 2020-06-30 | Contract | more |
| Department Manager I | Element Materials Technology | 2020-03-16 | Full-Time | more |