

# ESAA Weekly News

An Information Service for Alberta's Environment Industry

The Week Ending November 10<sup>th</sup>, 2017



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**Comments & submissions are welcome!**

Please submit your announcement via e-mail to:  
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## IN FLANDERS FIELDS

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

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

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

- John McCrae, 1915

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## NEW RELEASE - RISK MANAGEMENT PLAN GUIDE

Alberta Environment and Parks has released the *Alberta Risk Management Plan Guide*.

The *Alberta Risk Management Plan Guide* provides Alberta Environment and Parks' policy for risk management plans for contaminated sites in Alberta. This document applies when considering exposure control as an option for managing contaminated land in Alberta. It provides guidance on requirements for risk management plans. This Guide is intended to be used for the preparation of risk management plans submitted to Alberta Environment and Parks and/or the Alberta Energy Regulator for any type of contaminated site. It outlines the information that must be contained in a complete risk management plan.

**Webpage URL:** <http://aep.alberta.ca/land/land-industrial/legislation-guidelines.aspx>

Questions related to the guide can be directed to: [Land.Management@gov.ab.ca](mailto:Land.Management@gov.ab.ca)



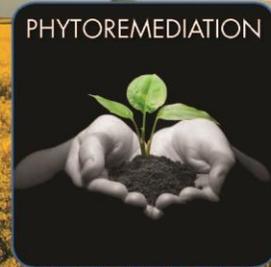
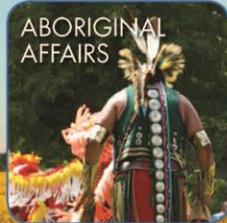
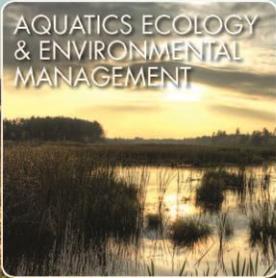
## CELEBRATING 20 YEARS

We are proud to announce that Earthmaster is celebrating 20 years as an industry leader in providing Environmental Services in Canada and abroad.

Our vision to be a leader in providing effective & practical solutions, our dedicated personnel, and our commitment to clients has allowed Earthmaster to enjoy the success we have today.

As we enter our third decade, we want to thank our clients for their continued support. We also want to thank our current and past employees, and we look forward to facing environmental challenges together in the future.

REMEDIATING THE PAST  
RECLAIMING OUR FUTURE



earthmaster.ca

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### ***SUPREME COURT OF CANADA TO HEAR AER APPEAL OF THE REDWATER DECISION***

The [Supreme Court of Canada](#) has confirmed it will hear the expedited appeal of the Alberta Energy Regulator (AER) and Orphan Well Association on the Redwater decision.

“For the past two years, we have worked very hard at all levels of court to ensure the consequences of the Redwater decisions are fully understood,” said AER president and CEO Jim Ellis. “The decision has already had a significant impact in Alberta – and its consequences will go well beyond our borders to all other provinces. All Canadians are impacted by the Redwater decision.”

The Redwater decision allows receivers and trustees of insolvent oil and gas companies to disclaim unprofitable assets, permitting them to avoid the responsibility of reclaiming the land used for energy development. Disclaiming unprofitable sites allows creditors to avoid legislative requirements that licensees would have to follow if they were not in receivership or bankruptcy.

“The decision allows creditors to benefit at the expense of the environment and responsible companies by permitting receivers to avoid regulatory requirements that were put in place to protect the public and environment,” said Ellis. “It allows owners of industrial facilities to walk away from their environmental responsibilities.”

Since the decision in May 2016, about 1 600 AER-licensed sites have been disclaimed by receivers with estimated liabilities of more than \$100 million.

“That impact cannot be undone,” said Ellis. “But we are looking forward to presenting our arguments and are optimistic we may convince the Supreme Court to reverse the lower courts’ decisions.”

In July 2017, the AER and the Orphan Well Association filed for leave to appeal the Redwater decision to the Supreme Court of Canada. The governments of Alberta, British Columbia, and Saskatchewan; the Farmers’ Advocate Office; and the Dene Tha’ First Nation support the application.

The Alberta Energy Regulator ensures the safe, efficient, orderly, and environmentally responsible development of hydrocarbon resources over their entire life cycle. This includes allocating and conserving water resources, managing public lands, and protecting the environment while providing economic benefits for all Albertans.

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### ***PENALTY FOR EDMONTON-BASED COMPANY FOLLOWING INVESTIGATION OF PHOSPHORUS LEVELS IN LAUNDRY DETERGENTS***

The environment and the economy go hand in hand. Environment and Climate Change Canada enforces its environmental-protection legislation as part of its commitment to maintaining clean air and water and protecting fish and wildlife habitats.

On November 6, 2017, Acuity Holdings, Inc. (Edmonton, Alberta) was fined \$600,000 after pleading guilty in the Provincial Court of Alberta to one count of contravening the Concentration of Phosphorus in Certain Cleaning Products Regulations under the Canadian Environmental Protection Act, 1999. The fine will be directed to the Environmental Damages Fund.

Acuity Holdings, Inc. manufactures and sells various cleaning products, including industrial and commercial laundry detergents, under the registered trade name Zep Manufacturing Company of Canada. An investigation conducted by Environment and Climate Change Canada enforcement officers revealed that Acuity Holdings, Inc. manufactured and sold two commercial laundry detergents (Zeplift and Classic TKO), which contained concentrations of phosphorus in excess of the allowable limit.

Phosphorus is an element commonly used in the manufacture of detergents and cleaners. The release of phosphorus into the environment contributes to the over-fertilization of freshwater ecosystems, and it can result in the growth of harmful algal blooms in Canada's lakes and rivers.

As a result of this conviction, the company's name will be added to the Environmental Offenders Registry.

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### ***THE GOVERNMENT OF CANADA ANNOUNCES FUNDING FOR ACADEMIC-LED CLIMATE RESEARCH IN CANADA'S HIGH ARCTIC***

Science is the foundation of Environment and Climate Change Canada's work. Canada recognizes the importance of sound science in evidence-based decision making, and it remains committed to supporting climate and atmospheric science in Canada. That is why the Government of Canada is providing Canadian scientists with the best tools and facilities they need to innovate and make discoveries that will improve our environment, health, climate, and communities.

Today, the Minister of Environment and Climate Change, Catherine McKenna, and the Minister of Science, Kirsty Duncan, announced up to \$1.6 million in funding to support research in Canada's high Arctic. This funding will allow Canadian university scientists to carry out uninterrupted research operations and data collection at the Polar Environment Atmospheric Research Laboratory (PEARL), until fall 2019.

Support for PEARL contributes to Environment and Climate Change Canada's leading-edge monitoring and research in the Arctic, related to air quality, the ozone layer, and climate change. With the Arctic heating up twice as fast as the rest of the world, understanding this region is more important than ever.

This is just one example of how government-university collaborations advance science, help deliver on federal priorities, and support efforts to better understand some of the most pressing environmental issues facing governments and citizens today.

The Government of Canada also acknowledges the many contributions of the Canadian academic community to climate and atmospheric science in Canada and appreciates the advancements made in this important field.

#### **Quick Facts**

- Environment and Climate Change Canada operates and maintains two facilities in Eureka, Nunavut: a weather station and the Polar Environment Atmospheric Research Laboratory (PEARL—also known as the PEARL Ridge Laboratory). The two facilities are 15 km apart.
- PEARL is a permanent research station used by atmospheric scientists to monitor the state of the arctic atmosphere. Environment and Climate Change Canada has maintained the PEARL Ridge Laboratory building for over 25 years.

- To ensure research excellence, the PEARL research team will submit a research program proposal to the Government of Canada for a peer review by other scientists.
- The Climate Change and Atmospheric Research initiative is a grant program administered by the Natural Sciences and Engineering Research Council of Canada, and it supports climate change and atmospheric research at Canadian post-secondary institutions.
- The initiative was announced in 2013 by the Government of Canada. It provided \$35 million in research funding over five years (ending on March 31, 2018) for seven environmental projects, one of which being PEARL.

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## ESAA MEMBER NEWS

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### ***WOOD GROUP AND AMEC MERGER COMPLETES***

Energy services giant Wood Group's £2.2bn takeover of Amec Foster Wheeler is now officially complete.

The merger was wrapped up after Amec agreed to sell the majority of its North Sea operations [to address Competition Markets Authority \(CMA\) concerns](#).

The deal will see Amec bank £228m for selling upstream oil and gas operations to Australian firm WorleyParsons.

Wood Group boss Robin Watson described the merger as "transformational". The Aberdeen-based company said it did not anticipate any job losses in the north east of Scotland as a result of the deal.

In 2016, Amec's North Sea business contributed revenues of £740m and a trading profit of £43m.

Mr Watson said: "This transformational acquisition creates a global leader in the delivery of project, engineering and technical services to energy and industrial markets.

"We expect to deliver significant cost synergies and incremental revenue synergies in a less cyclical business which retains a predominantly reimbursable, asset light model with a balanced risk appetite."

When first announcing the takeover in March, Wood Group said it would result in "significant cost and revenue synergies" of at least £110m a year.

Wood Group employs 29,000 people while Amec has 35,000 workers. The deal [creates a company with a combined value of about £5bn](#).

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## UPCOMING EVENTS

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**EnviroTech**  
April 3-5, 2018  
Hyatt Regency Calgary

### ***Call for Sponsors and Exhibitors***

Building on the success of the **WaterTech** series, the Environmental Services Association of Alberta (ESAA) is expanding its spring conference.

**WaterTech** will now be known as **EnviroTech** and while it will still feature water as a key theme, ESAA is expanding the program to include other key components of the environment industry including: air, alternative energy, climate change, laboratory, regulatory and waste management.

The two and a half day technical program will consist of a minimum of 50 platform presentations grouped into sessions chaired by environmental industry leaders. In addition to the technical presentations, the program will also feature panel discussions, a regulatory workshop and three professional development courses.

Full event details online at: [www.esaa.org/envirotech/](http://www.esaa.org/envirotech/)

**Note:** The *RemTech* Symposium will still remain as ESAA's key soils-related event each fall in Banff.

**Sponsorship Opportunities:** A number of Sponsorship opportunities are available for *EnviroTech 2018*. Opportunities are available on a first come first served basis to all companies. Sponsorship opportunities available include: **Emerald**, **Ruby** and **Sapphire** levels, Opening Reception, Drink Tickets, Room Keys, Charging Station, and Thursday's Keynote Luncheon.

**For complete details on sponsorship items visit:** [www.esaa.org/envirotech/sponsors/](http://www.esaa.org/envirotech/sponsors/)

**Exhibitor Opportunities:** Approximately 30 exhibit spaces will be available at *EnviroTech 2018*. Space will be available on a first come first served basis to all companies, with priority given to Diamond and Emerald Sponsors. For more information visit: <http://www.esaa.org/envirotech/exhibitors/>

**Registration** is now open with early bird rates of \$595 for Members and \$710 for Non-Members. Individual day passes are also available. For more information visit: [www.esaa.org/envirotech/](http://www.esaa.org/envirotech/)

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### **AGAT SCIENCE AND TECHNOLOGY SEMINARS 2018**

AGAT Laboratories' **Science and Technology Talks 2018** offer the opportunity for industry professionals to join together to learn and discuss relevant topics in the Energy, Environmental, Industrial and Health and Safety Sectors. Additionally, it offers an opportunity to present their unique challenges and questions to our industry leaders from a variety of backgrounds such as governmental, laboratory, energy and environmental consulting professions.

Registration opens Friday - <http://www.agatlabs.com/seminars/techtalks-2018.cfm>

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### **2017 ECOLOGICAL ISSUES FORUM**

Panel Discussion on Policy and Emerging Technology - Implications to Biodiversity Management

Management of biodiversity is an important component of effective resource management in Alberta. Over the last few years a number of policies and initiatives have been rolled out by the Government and the Alberta Energy Regulator that have implications on biodiversity and how industry operates on the landscape. Technologies will play a key role in supporting implementation and assessment of outcomes as they relate to biodiversity. The panel provide insight into some of these new initiatives, emerging technologies and the consequences for environmental management.



#### **Forum Focus**

This event provides technical updates on industry supported research funded through the Alberta Upstream Petroleum Research Fund (AUPRF). Ecological projects supported through AUPRF cover a broad range of issues and include the role of predation in woodland caribou population declines; the effectiveness of industry footprint reclamation or functional restoration; the effectiveness of mitigation activities; and wildlife responses to oil and gas activity. Underpinning many of these projects are the use of remote sensing technologies, sensor networks, and data analytics.

[Full agenda](#)

**Join us**

#### **PTAC Conference Centre**

4th Floor, 500 - 5th Avenue SW, Calgary AB

**November 23rd, 2017**

8:00 a.m. Registration Opens

8:30 a.m. Presentations Begin

Technical Education Webinar

## Breathe Easier - Asbestos Testing and Sample Submission

November 29, 2017 at 1pm EST

Maxxam  
A Bureau Veritas Group Company

REGISTER NOW! 

### ***WEBINAR: BREATHE EASIER - ASBESTOS TESTING AND SAMPLE SUBMISSION***

**Speaker: Banu Gurgen-Keough, Supervisor, Asbestos Laboratory**

On December 15, 2016, the Government of Canada announced a Government-wide strategy to manage asbestos in Canada including a full ban on Asbestos by 2018.

Once called the “Miracle Mineral”, asbestos was valued for its physical properties and used in a wide variety of everyday products commonly found in commercial, industrial and residential structures constructed before the 1990’s. Asbestos is a known carcinogen and although there is no significant health risks if the materials containing asbestos is tightly bound and left undisturbed this is not always the case. This webinar will provide knowledge about asbestos analysis including health risks associated with exposure, applications and importance of sample testing. This webinar will also provide an overview of the different analysis options for all fields of sampling including building and construction materials, insulation, air, water, dust and soil.

The webinar will be an interactive session and a recording will be made available to attendees for future training purposes.

**Date:** November 29th, 2017

**Time:** 1:00pm-2:00pm EST

Registration is required to attend this event. Please register [now](#).

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## ***Industry Positions Openings***

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***For more information visit ESAA’s Job Board under the news section of [www.esaa.org](http://www.esaa.org)***

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### **INTERMEDIATE and SENIOR ENVIRONMENTAL PROJECT MANAGER**



**Term:** Full-Time

**Application Deadline:** November 15, 2017

**Job Start Date:** Immediately

**Job Location:** Edmonton

Terralogix Solutions Inc., an environmental consulting organization, is recruiting Environmental Project Managers for our Edmonton, AB location. The successful candidates will be involved in various aspects of a variety of projects and will participate in both office and on site field work. The amount of field work will depend on the candidates various skill sets.

#### **Qualifications:**

- Bachelor of Science degree or Masters of Science Degree in Environmental Science, Environmental Engineering or other relevant Environmental Program along with 3 plus years of experience
- Experience with environmental site assessments, soil sampling, groundwater monitoring and site remediation
- Registration with a professional organization as either a professional or in-training
- Possess strong interpersonal skills, communication skills and technical writing skills and be able to work as a member of a multi-disciplinary team and independently.

**Duties and Responsibilities:**

- Conducting Phase I Environmental Site Assessments (ESA) and associated reporting
- Planning and conducting Phase II ESAs, including:
  - drilling and soil sampling activities
  - conducting groundwater monitoring and sampling programs
  - interpreting analytical laboratory results
  - analyzing and interpreting collected environmental data and writing technical reports
  - contractor management and cost tracking
- Assist with the design and implementation of remediation systems
- Planning and completion of reclamation activities
- Coordinate and complete vegetation management activities
- Reclamation Application and Onestop processes
- Comply with Health and Safety policies and principles

**Compensation:**

- Competitive Hourly and Overtime wage
- Competitive Benefit Package

To find out more about Terralogix Solutions Inc. please visit our website at [www.terralogix.ca](http://www.terralogix.ca).

To apply for this positions, please email your cover letter and resume to [resumes@terralogix.ca](mailto:resumes@terralogix.ca) and clearly indicate which position you are applying for in the title bar of the email.

**Application Details:** Please submit resumes by E-mail to [resumes@terralogix.ca](mailto:resumes@terralogix.ca).

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**Researcher, Reclamation, Native Plants**

**Term:** Full-Time

**Number of Positions:** 1

**Application Deadline:** December 31, 2017

**Job Location:** Vegreville, AB

Alberta Innovates is a provincially-funded Corporation tasked with delivering on the Jobs Plan and research and innovation priorities of the Government of Alberta. InnoTech Alberta is a wholly owned subsidiary of Alberta Innovates. Great ideas and technologies created by Albertans need the best innovation support system we can deliver. All under one roof, innovators, businesses and researchers can now easily tap into our collective assets – cross sectoral knowledge and expertise, funding, networks and research facilities.

Research and innovation that leads to economic diversification enhanced environmental performance and social well-being is a priority for the Alberta Government. Our province is blessed with abundant natural resources, world-class infrastructure and research institutions, a highly skilled workforce, and a dynamic, entrepreneurial business community. Alberta Innovates along with InnoTech Alberta harnesses these strengths by acting as the catalyst between government, industry and academia, to solve some of the biggest challenges facing our province.

The Ecosystems and Plant Sciences Functional Group works with industry and government to develop test and deploy new technologies and processes that will help build commerce in Alberta; while reducing environmental impacts.

The EPS Group's Reclamation team focuses on developing applied, innovative and practical land reclamation and remediation procedures and technologies for landscapes disturbed by industrial development; for the benefit of Alberta, our partners and clients.

We are seeking a research scientist to develop, manage and contribute to the development and deployment of our native plant materials program. (i.e., seeds, clippings, seedlings, etc.). The goal is to conduct basic and applied research that will further the utilization and benefits of native plant materials across the province.

Major areas of responsibility include project design, implementation and management; proposal preparation; technical report preparation; and business development and interaction with clients.

The candidate will possess the following skill sets and qualifications:

- A post graduate degree in Agronomy, Environmental Science, Plant Ecology, Plant Breeding, or a related discipline with relevant experience and some background in applied research
- 10 years of relevant experience
- Certified CSGA plant breeder certification or relevant experience
- Professional Agrologist (P.Ag) designation (or equivalent)
- Understanding of Alberta native species and/or plant physiology
- Knowledge of relevant regulatory requirements, and knowledge of reclamation and revegetation challenges in Alberta
- Ability to work and conduct research independently, as well as part of a multi-disciplinary team
- Experience in project management and in conducting contract research
- Excellent interpersonal and communication skills
- Well-developed business development and marketing skills
- Valid driver's license

#### **How to Apply:**

InnoTech Alberta offers a competitive salary and benefits package in addition to opportunities for personal and professional achievement. Final candidate will be required to undergo a security clearance. For more information on this exciting opportunity, visit Competition #INAB-010 at <http://www.albertainnovates.ca/careers>. When applying, please submit your resume in a Microsoft Word compatible format. All interviewees must be able to meet the requirement specified in the Physical Demand Analysis. This document will be supplied during the interview process to the successful candidate(s). This competition will remain open until a successful candidate is found.

INNOTECH ALBERTA IS COMMITTED TO THE PRINCIPLE OF EQUITY IN EMPLOYMENT AND ENCOURAGES APPLICATIONS FROM ALL QUALIFIED INDIVIDUALS. WE WISH TO THANK ALL APPLICANTS FOR THEIR INTEREST. HOWEVER, ONLY THOSE INVITED FOR AN INTERVIEW WILL BE CONTACTED.

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### ***Ambient Air Standards Specialist***

**Term:** Full-Time

**Number of Positions:** 1

**Application Deadline:** November 20, 2017

**Job Location:** Edmonton



Scientific 3

**Alberta Environment and Parks, Edmonton.** We support Albertans in being proud stewards of air, land, water, and biodiversity by leading the work required for the desired environmental outcomes and sustainable development of natural resources.

For more information about the Ministry of Environment and Parks, please visit our website at: <http://aep.alberta.ca/>

Do you consider yourself a specialized professional with scientific expertise in the area of ambient air quality along with applied policy development skills?

The Ambient Standards Specialist role is responsible for developing, implementing, and maintaining the Alberta Ambient Air Quality Objectives (AAAQOs) using a multi-stakeholder process. In this position, you will be focused particularly on secondary pollutants such as fine particulate matter and ozone.

In this role, you will research and design air policy options to ensure that ambient air quality policies are evidence-based, scientifically defensible and provide protection to the environment and human health that is technically and economically feasible, as well as socially and politically acceptable.

To be successful in the role you will have:

- A strong scientific background and ability to interpret scientific information and translate it into policy options.
- Strong policy analysis skills and the ability to articulate the environmental, economic and social impacts of policy options.
- Strong interpersonal skills and the ability to negotiate and resolve conflict in a collaborative, multi-stakeholder environment.
- Strong communication skills, both written and verbal. In particular, the candidate should excel at translating technical concepts into plain language.
- The ability to manage information and issues that can be sensitive and/or confidential in nature.

About Your Competencies:

**Agility** – you will anticipate, assess, and readily adapt to changing priorities, maintaining resilience in times of uncertainty, and effectively working in a changing environment.

**Drive for Results** – you will determine which outcomes are important and maximize resources to achieve results that are aligned with the goals of the organization, while maintaining accountability to internal and external stakeholders.

**Build Collaborative Environments** – you will establish and maintain collaborative working relationships with staff to ensure coordination and integration of activities.

**Creative Problem Solving** – You will assess options and implications in new ways so as to inform decision making in order to achieve outcomes and solutions

About Your Work Environment:

In this role, you will primarily be working in an office setting located in downtown Edmonton. You will have frequent contact with ministry staff in regional offices, other government departments, and external stakeholders. Some travel will be required.

**Salary: \$2,963.75 – \$3,904.80 bi-weekly (\$77,353 – \$101,915 annually). Closing Date: November 20, 2017. Job ID #1045750**

**Qualifications:** A Masters Degree in a related discipline such as science, policy administration, conflict analysis and management plus a minimum of 4 years related experience. Equivalencies such as: a Ph.D. in a discipline related to the position, plus a minimum of 2 years progressively responsible related experience; or University graduation in a related field, plus a minimum of 6 years related experience would be considered.

A strong background in air quality and policy is required. Practical experience in program implementation and stakeholder engagement is required.

Competencies are behaviours that are essential to reach our goals in serving Albertans. We encourage you to have an in depth understanding of the competencies that are required for this opportunity and to be prepared to demonstrate them during the recruitment process. The links below will assist you with understanding competencies: <http://www.psc.alberta.ca/Practitioners/?file=learning/apscompetencies/titlepage&cf=9>

<http://www.psc.alberta.ca/learning/apscompetencies/apscomp-self-assessment-questionnaire.pdf>

This position may be used to fill future vacancies across the Government of Alberta, at equal or lower classification and salary.

What we offer:

- Comprehensive benefits plan: <http://www.psc.alberta.ca/Employees/DocList122.cfm>

- Pension plan: [http://www.pspp.ca/members/publications/PSPP\\_Member\\_Handbook.pdf](http://www.pspp.ca/members/publications/PSPP_Member_Handbook.pdf)
- Health Spending Account:  
<http://www.psc.alberta.ca/Practitioners/?file=benefits/healthspendingacct/overview&cf=2>
- Leadership and mentorship programs
- Professional learning and development
- Positive workplace culture and work-life balance

Online applications are preferred via [www.jobs.alberta.ca](http://www.jobs.alberta.ca). Applicants are advised to provide information that clearly and concisely demonstrates how their qualifications meet the advertised requirements, including education, experience and relevant examples of required competencies.

Note: As only one file can be uploaded, please ensure your cover letter, resume and any other related documents are submitted in one file. Please ensure that this document is saved using the naming convention of your last then first name followed by the seven-digit Job Opening ID number (Smith,Joe\_XXXXXXX). Applicants who apply online will be able to track the status of this competition.

If you are unable to apply online, please contact us at 780-422-5887.

It is recommended that applicants who have obtained educational credentials from outside of Canada and have not had them previously assessed, obtain an evaluation of their credentials from the International Qualifications Assessment Service (IQAS) – <http://work.alberta.ca/iqas>

It is recommended that applicants include the assessment certificate from IQAS or any other educational assessment service as part of their application.

We thank all applicants for their interest. All applications will be reviewed to determine which candidates' qualifications most closely match the advertised requirements. Only individuals selected for interviews will be contacted.

If you require any further information on this job posting, please contact us at 780-422-5887. If this competition is closed as per the closing date noted above, please continue to check <http://www.jobs.alberta.ca> for a listing of current career opportunities with the Government of Alberta.



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for more information