



Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Link's Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:
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Job Board Posting



Careers.Indigenous.Link

Date Printed: 2024/05/18

Senior Pipeline Geotechnical Engineer

Job ID	59443-en_US-7931		
Web Address	https://careers.indigenous.link/viewjob?jobname=59443-en_US-7931		
Company	TC Energy		
Location	Calgary, AB		
Date Posted	From: 2019-10-01	To: 2050-01-01	
Job	Type: Full-time	Category: Resource Sector	

Description

Senior Pipeline Geotechnical EngineerReference Code: 59443 Location: Canada (CA) - Calgary, AB

Job Category: Engineering; Trades/Technical

Employment Type: Employee Full-time

Relocation Eligibility: This position is eligible for our domestic relocation program

Application Deadline: 01/23/2020 We all need energy. It warms our homes, cooks our food, gives us light, and gets us where we need to go. It also improves our quality of life in countless other ways. At TC Energy, our job is to deliver that energy to millions of people who depend on it across North America. And we take our job very seriously. Guided by our values of safety, integrity, responsibility and collaboration, we develop and operate our facilities safely, reliably and with care for our impact on the environment. With our presence across the continent, our people play an active role in building strong communities. We're proud of how our hard work and commitment sets us apart and benefits society, every day. We're looking for new team members who share our values and are ready to take on exciting challenges. The opportunity TC Energy's Canada Gas Pipeline Engineering team has an opportunity for an experienced professional with demonstrated expertise in pipeline geotechnical engineering.

Reporting to the Manager of Pipeline Engineering, as our Senior Pipeline Geotechnical Engineer, you will be responsible for providing expertise and guidance to project teams on identification and management of geohazards, pipe-soil interaction problems, and geotechnical feasibility assessments of large diameter trenchless crossings. To be successful in this role you must effectively collaborate and consult with project management, construction management, regulatory, land, and environment groups throughout projects' development and construction phases. What you'll do

- Provide technical expertise to identify and evaluate geohazards related to pipeline design and construction both at desktop and field reconnaissance levels
- Evaluate technical studies on pipeline geohazard assessments including hydrotechnical reports
- Work collaboratively with stress engineering to determine potential pipe-soil interaction problems and provide design and construction mitigation strategies
- Determine geotechnical feasibility and risks associated with large diameter trenchless pipeline crossings via Horizontal Directional Drilling (HDD) and micro-tunneling methods. Provide risk mitigations and alternatives to ensure maximum opportunity for successful and cost-effective crossing solutions
- Provide construction support during pipeline construction activities to resolve issues related to pipe stress, buoyancy control, erosion mitigation, and construction through landslide terrain
- Participate in field visits and helicopter fly-overs to select trenchless pipeline crossing locations and ensure geotechnical scopes of work are adequate for design and construction of trenchless crossings
- Provide support to design and construction of facilities (meter stations, compressor stations)
- Problem-solving through collaboration as issues arise during the planning and execution phases
- Support regulatory applications and respond to regulatory requests
- Provide expertise and leadership within a multidiscipline team to ensure compliance to all codes, regulations and company standards
- Provide guidance and mentorship to pipeline staff
- Develop and recommend alternatives and implement effective solutions using judgment, ingenuity, industry knowledge and best practices
- Represent TC Energy in technical discussions with regulators, land owners and internal and external stakeholders
- Identify and implement opportunities to improve process efficiencies

Minimum qualifications

- Degree in Civil, Geological or Geotechnical Engineering. Graduate degree (Masters or PhD) in geotechnical would be considered a strong asset
- Engineers must be registered, or eligible for registration, as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA)
- 10 or more years of geotechnical consulting experience, with at least 5 years of experience directly related to pipeline geotechnics, geohazard assessments and trenchless crossings of onshore pipelines
- Experience with Canadian pipeline design, operations and construction
- An alternate combination of education and experience may be considered

Preferred qualifications

- Proficiency with interpreting Lidar data and aerial imagery, as it relates to identification of dormant and active landslides, erosion, hydrotechnical hazards, ground subsidence and other geohazards will be considered strong assets
- Proactive approach in identifying emerging issues for early resolution
- Adaptability in a fast-paced environment with competing priorities and challenges
- Demonstrated ability to initiate change and help others adapt to a continuously changing environment
- Advanced planning and organizational skills with the ability to informally lead and influence project stakeholders and maintain strong relationships

within and outside the company

- Comfortable and skilled at influencing others at various levels within an organization
- Strong understanding of Canadian pipeline standards and regulations

*This position requires candidates to:

- Have and maintain a valid Driver's License and provide a driver's abstract for review

About our business Our 92,600-kilometre (57,500-mile) natural gas pipeline network is positioned in two of the most prolific and lowest cost basins in North America – the WCSB and the Appalachian Basin. Our systems are well placed to meet the continent's growing demand for clean-burning natural gas. We supply more than 25 percent of the clean-burning natural gas consumed daily across North America. To learn more, visit our website [Apply now!](https://www.tcenergy.com) Apply to this posting by 01/23/2020 using reference code 59443. You must apply through our jobs system at jobs.tcenergy.com. Only applications submitted through our system will be acknowledged. Applications may be submitted using a mobile device or a desktop / laptop computer. TC Energy is an equal opportunity employer. Learn more Visit us at [TCEnergy.com](https://www.TCEnergy.com) and connect with us on our social media channels for our latest news, employee stories, community activities, and other updates. Thank you for choosing TC Energy in your career search. * Depending on qualifications, the successful candidate may be offered a position at a more appropriate level and/or ladder. * Applicants must have legal authorization to work in the country in which the position is based with no restrictions. * All positions require background screening. Some require criminal and/or credit checks to comply with regulations. * TC Energy is committed to provide employment opportunities to all qualified individuals, without regard to race, religion, age, sex, color, national origin, sexual orientation, gender identity, veteran status, or disability. Accommodation for applicants with disabilities is available on request during the recruitment process. Applicants with disabilities can request accessible formats or communication supports by contacting careers@tcenergy.com.

For more information, visit [TC Energy](https://www.TCEnergy.com) for Senior Pipeline Geotechnical Engineer