

- Job Title – **Civil Engineer**
- Employer Name – **Canadian Nuclear Laboratories**
- Location – **Pinawa, Manitoba (Whiteshell)**
- Job Description - **Below**
- Closing Date – **Open until filled**
- Graphics, if applicable – **N/A**
- Web link, if applicable – [Position Description \(taleo.net\)](#)

Are you looking for a role that will challenge you?

Would you like to make a difference in the Environment?

If you answered yes, our **Pinawa, Manitoba** location is looking to fill the role of **Civil Engineer**. Reporting to the Whiteshell (WL) Manager of Engineering, the Civil Engineer will provide support for the development of preliminary, conceptual and detailed design of civil structures. The Civil Engineer will also provide subject matter expert (SME) support for civil and structural design work, including project engineering and infrastructure demolition engineering activities that may present itself during the execution of decommissioning or environmental remediation projects at Canadian Nuclear Laboratories (CNL). Responsibilities include preparation and review of the supporting documentation to design such as scope of works, design requirements, calculations, design plans, design manuals, technical specifications, technical notes, conceptual reports, customer proposals, work plans, schedules, estimates, field walk down reports and liaising with project leaders, contractors, customers and regulators. The Civil Engineer is responsible for ensuring that work within their responsibility is performed to meet or exceed applicable quality, code, regulatory and customer requirements. This includes ensuring the design deliverables provided by 3rd party design agencies meet all of CNL's quality program requirements and standards. Can you see yourself filling this role? If you answered yes, then this may be the job for you!

What will you be doing?

- Interpret design drawings, documents, and data collected from field visits and client's needs.
- Develop innovative and safe solutions to Civil Engineering challenges that may arise during the field season. Safe compensatory measures also need to be part of the solution portfolio.
- Interpret clients' needs and make recommendations as to alternatives to satisfy the need and the recommended solution and prepare the final solution (design, report).
- Devise new approaches, apply existing criteria in new manners and draw conclusions from comparative situations.
- Accept recommendations as technically accurate and feasible.
- Act as a mentor to other engineers.
- Provide the necessary Civil/Structural Engineering Expert advice and recommendations to the Engineering Manager for decision and guidance.
- Evaluate existing civil, structural, and architectural design to accommodate safe and efficient demolition of infrastructure or project modifications.
- Contribute to the development of conceptual, preliminary and detailed design of structures, other infrastructure and decommissioning.
- Prepare design documents, design requirements, design descriptions, technical specifications, calculations, tendering documents, standards, procedures and analyses reports.
- Review and/or recommend technical specification for Civil/Structural Engineering equipment, tests, and processes/procedures.
- Provide engineering support during the modification, decommissioning and demolition phases of projects.

- Provide subject matter expert review and acceptance of modification, project and demolition designs prepared by outside agencies.
- Supervise technical staff and/or junior staff.
- Liaise with external contractors and internal Project Supervisors.
- Develop engineering specifications and standards facilitating a consistent design approach.

What we are looking for:

Someone who has the ability to:

- Work effectively in a multidisciplinary team and interact with staff at various levels of the organization.
- Use excellent oral and written English communication skills; previous experience making technical presentations to small and large audiences.
- Demonstrate effective team leadership and team-building skills.
- Exercise sound judgment in technical matters, to routinely solve technical problems and to make independent decisions.
- Provide engineering oversight to various sizes of jobs.

Experience:

- Sound knowledge of the National Building Code and National Fire Code and other relevant codes and standards used in the design, construction, and commissioning of nuclear and non-nuclear facilities
- Supervisory and project management experience.
- Knowledge of Design Engineering practices, organization and quality assurance processes, Engineering Change Control and Configuration Management.
- Knowledge of CNL's engineering practices, organization and quality management program.
- Experienced in the technical procurement process, including supplier qualification reviews, bid evaluations, review and acceptance of technical deliverables; and monitoring contractor performance vs. technical specifications.
- Demonstrated knowledge of CSA N286/N285 quality standards.
- Knowledge of radiation protection (RP) standards and CRL RP practices.

Sound knowledge of infrastructure demolition engineering and more than 10 years' of significant related experience in the areas of:

- Building design using steel, masonry, timber and reinforced concrete.
- CSA S350-M1980, Code of Practice for Safety in Demolition of Structures.
- The guidelines by The Association of Professional Engineers and Geoscientists of the Province of Manitoba (APEGM) for demolition of buildings and structures.
- Specifications from Manitoba Infrastructure and transportation 1020 on demolition of buildings and structures, engineered plans and documents described therein.
- CSA-A23" Design of Concrete Structures.
- CSA-16.01 "Limit States Design of Steel Structures.
- CSA-O86-14 "Engineering Design in Wood.
- CSA-S304 "Masonry Design for Buildings (limit state design).
- Canadian Environmental Protection Act (CEPA) – mostly for dealing with the production and management of generated waste, hazardous waste, fumes/dust/sediment, etc.
- Landfill design and construction.
- Road design and construction.

Education:

- Bachelor (Honours) degree in Civil or Structural Engineering from a recognized university of recognized standing.

- Membership in or eligible for membership within the Engineers Geoscientists of Manitoba (EGM) as a Registered Professional Engineer.

Security Eligibility Requirement:

- Reliability Status with Site Access Security Clearance (SASC) which has a minimum requirement of 3 years of verifiable history in Canada, Australia, New Zealand, United States and/or the United Kingdom. CNL implements security screening in accordance with the Treasury Board of Canada Secretariat “Standard on Security Screening” and the “Policy on Government Security”.

Working Conditions:

- Combination of Office Work/Field Work.
- Occasional controlled exposure to nuclear radiation and industrial hazards due to construction/demolition site visits.
- Hearing protection usage required for occasional visits to noisy construction/demolition environments.
- Walking and navigating a construction and demolition environment with required personal protective equipment (safety boots, hard hats, safety glasses and reflective clothing).

Why CNL?

Does working with a team across Canada to advance nuclear science and technology for a clean and secure world speak to you? We're reinventing ourselves to be the pace setters, so we can lead the charge in solving the problems that matter, like building the next generation of clean nuclear and hydrogen energy solutions, developing new and better-targeted cancer treatments, and continuing to lead the world in environmental remediation.

- Compressed work week! You get to work hard and enjoy more time with your family and friends. Work-life balance is an integral part of our overall health and well-being; at CNL, we value this.
- We offer a complete total rewards package:
 - o paid time off (vacation, sick, floater & personal days);
 - o benefits effective day one, that's right no waiting period;
 - o tuition support;
 - o and a pension!

Do Our Priorities Resonate with You?

- Clean energy for today and tomorrow.
- Restore and protect the Environment.
- Contribute to the health of Canadians.

CNL's Whiteshell is located in the beautiful and historic municipality of Pinawa, Manitoba, approximately one hour by vehicle from Winnipeg, MB. Pinawa is an excellent choice for people looking for peace and tranquility and those who love the outdoors.

CNL is committed to providing an atmosphere free from barriers that promotes equity, diversity and inclusion in achieving our mission. CNL welcomes and celebrates employees, stakeholders and partners of all racial, cultural, and ethnic identities.

CNL also supports a workplace environment and a corporate culture that is built on our Core Values: Respect, Teamwork, Accountability, Safety, Integrity and Excellence which encourage equitable employment practices and career prospects inclusive of accommodations for all employees.

CNL is committed to being an equal-opportunity employer. If you require accommodation measures during any phase of the hiring process, please indicate via our ATS when applying. All information received in relation to accommodation requests will be kept confidential.

CNL respectfully recognizes and acknowledges that the Whiteshell Site is located within the traditional territory of many Indigenous Nations, including those within Treaty 1, 3, and 5, and the homeland of the Red River Métis. CNL is thankful to have the opportunity to work on these traditionally and culturally significant lands and waterways.

