

- Job Title – **Electrical 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 **Electrical Engineer**. The successful candidate will be a member of the Whiteshell (WL) Engineering Branch, providing Electrical Design and Project Engineering Support to WL site customers for the WL Restoration Project. Duties include Electrical Design (conceptual, preliminary and detailed), field surveillance of new processes and electrical systems as well as modifications and retrofits to existing systems. The work includes the preparation or review of appropriate documentation in support of projects (e.g., design plans, design requirements, design manuals, technical specifications, technical notes, customer proposals, work plans, schedules and estimates) and involves direct interaction with customers and regulators. This person is responsible for ensuring that work within his/her responsibility is performed to meet or exceed applicable quality, code, regulatory and customer requirements. The Electrical Engineer will report to the Manager, WL Engineering. Can you see yourself filling this role? If you answered yes, then this may be the job for you!

### **What will you be doing?**

- Delivering expertise during design, construction, procurement to ensure designs and physical systems meet the applicable codes and standards. Apply P.Eng. stamp to take responsibility for the application of engineering principles.
- Ensuring that work within his/her responsibility is performed to meet or exceed applicable quality, code, regulatory and customer requirements.
- Identifying electrical code compliance issues and provides solutions.
- Preparing, reviewing and approving electrical drawings, technical reports and specifications.
- The Electrical Engineer is accountable for planning, providing cost and schedule estimates and for tracking and reporting on progress of Electrical design deliverables.
- Identifying ways to mitigate risk and deliver designs on time and within budget.
- Negotiating with client if risk cannot be mitigated by providing acceptable justification for extra time or cost.
- Establishing requirements for external design activities.
- Providing contract scopes of work for external design resources, as well as review external design resources work and ensure compliance with all applicable codes and standards.
- The Electrical Engineer will supervisor other Engineers and Design Representatives at the direction of the Engineering Manager.
- Providing day to day direction to Engineering staff and others on assigned tasks and activities to include coaching and mentoring while increasing knowledge and skills of Engineering staff as to provide transfer of knowledge and experience.

### **What we are looking for:**

**Someone who has the ability to:**

- Interact with a team of 5-10 electrical engineers/technologists/students and provide mentorship to junior members, technologists, and students.
- Provide technical guidance to support delivery of designs that can be safely and cost effectively executed in the field.
- Make recommendations and decisions, consistent with the candidate's knowledge base and expertise as required to ensure the work is completed safely and compliantly.
- Identify applicable quality and regulatory standards and requirements for new designs and design changes.
- Identify electrical code compliance issues and provides solutions.
- Identify ways to mitigate risk and deliver designs on time and within budget.
- Make recommendations in support of the Engineering Manager and Electrical Engineering Section Head.
- Consider the life cycle of the project and the end state requirements for the site. Many of the designs will be considered temporary or construction aids, and need to have flexibility in mind. "Outside of the box" thinking is strongly encouraged in order to accelerate and mitigate schedule and risks.
- Consider systems, structures, and components that are cost effective, as well as meet the schedule needs for the project.
- Use effective oral and written communication skills to liaise with project leaders, planners, trades, and co-workers to ensure client requirements are being met.
- Use effective oral and written communication skills to liaise with contractors, suppliers, and regulators to ensure client requirements are being met.

**Experience:**

- Must be a member or eligible for membership with Engineers Geoscientists of Manitoba (EGM) as a Registered Professional Engineer.
- Must have at least five (5) years' experience in the design of electrical systems, including power transmission, power distribution, and communication systems.
- Must have at least five (5) years' experience in commissioning of electrical systems.
- Must have at least five (5) years' experience in project management, including project initiation, planning, cost estimation, and scheduling.
- Experience with Nuclear power generation facilities, and or laboratories is beneficial.
- Experience with Demolition and Deactivation of commercial power generation or industrial manufacturing and processing facilities is beneficial.
- Must be familiar with the requirements of the Canadian Electrical Code and the Manitoba Electrical Code.
- Must have experience with system analysis, including arc flash studies and relay coordination. Familiarity with SKM software would be beneficial.

**Education:**

- Must have Bachelor of Engineering degree (BEng) in Electrical Engineering from recognized Canadian University.

**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:**

- 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).
- Design work within the design group is typically a combination of office work and fieldwork (normally investigative and providing engineering field support).
- Occasional controlled exposure to nuclear radiation and industrial hazards due to construction/demolition site visits. Attaining Group 4 Radiation Protection Training is required.
- Worker becomes a Nuclear Energy Worker pursuant to CNSC regulations and CNL's radiation protection program requirements.

### **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.