



As Canada's premier nuclear science and technology (S&T) organization Canadian Nuclear Laboratories (CNL) serves the nation as an enabler of business innovation and technology transfer. And, we foster the development of highly-qualified people for the knowledge economy to come.

The Whiteshell Closure Project (WCP) is an initiative under Canadian Nuclear Laboratories whose focus is to decommission the site. The Project mandate encompasses the entire Whiteshell Laboratories (WL) Site, including nuclear equipment and systems, buildings and plant infrastructure, services, waste management facilities and affected lands. The Project scope includes all elements necessary to complete by 2024, a major remediation project on a licensed nuclear site, including strategic planning, resourcing, project annual budgeting and planning, nuclear facility operation, nuclear facility decommissioning, remediation of affected lands, environmental monitoring, site services, application of nuclear programs and business services as required.

## Environmental Engineer

### INTRO

The WL Waste Management Division is responsible for the management of all clean, hazardous, mixed and radioactive waste generated during the WL Closure Project. A dedicated Environmental Engineer is required to provide engineering support to Waste Management projects and activities, including liquid waste processing, solid waste processing, waste packaging and waste transportation operations. The Environmental Engineer will serve as a key subject-matter expert to assist with the development of standard operating procedures, technical specifications, options analysis reports, procurement documentation and other technical documentation. The Environmental Engineer will also serve as a key resource in the field for trouble-shooting technical issues as they arise. This person will become a "go-to" technical resource for all engineering-related questions related to on-site and off-site waste management facilities.

### DUTIES

- Provides subject-matter expertise on Environmental Engineering projects or activities, in support of WL Waste Management activities.
- Leads the technical planning activities for the procurement, installation, commissioning and operation of liquid waste processing equipment, which includes providing in the field-support for physical work activities.
- Leads the technical planning activities for solid radioactive and hazardous waste processing activities, including efforts to minimize, condition and/or stabilize wastes.
- Sources and assesses equipment selection options, provides recommendations, and develops the documentation to support commissioning and implementation of new equipment (including new waste containers).
- Conducts field walk downs to verify field conditions, operational readiness and work progress.

- Actively participates in a team environment supporting project management activities including the development of work breakdown planning, budgeting, scheduling and risk management.
- Interacts on a daily basis with numerous team members and subject matter experts and participates in resolving project issues as they arise.
- Represents CNL in a professional capacity and liaise with regulatory agencies and external consultants and contractors.
- Provides various other engineering support functions to support the mandate of the WL Waste Management Division, which encompasses responsibility for the management of all clean, hazardous, mixed and radioactive waste generated during the WL Closure Project.

### QUALIFICATIONS

- Bachelor's Degree in Environmental Engineering, Civil Engineering or Chemical Engineering from a university of recognized standing. A Master's Degree in one of the above Engineering disciplines is preferred.
- Membership or eligibility for membership in the provincial engineering association (e.g., EGM).
- At least five years of relevant experience as an Engineer, preferably in a role related to solid waste management, liquid waste management (e.g., water treatment) and/or environmental remediation. Exceptional candidates with less experience may be considered.
- Proven capability to lead the resolution of complex environmental or engineering problems, particularly issues that engage multiple stakeholders.
- Excellent interpersonal and communication skills, with a demonstrated ability to effectively articulate ideas orally and in writing for both technical and non-technical audiences.
- Demonstrated knowledge of engineering codes and standards used in design, construction and commissioning processes.
- Demonstrated ability to work well in both office and field environments, and as a member of multi-disciplinary team.
- Demonstrated ability to work well under pressure, manage priorities and understand regulatory requirements.
- Proven ability to complete high-quality deliverables on-time and on-budget.
- Training and experience in Project Management is considered a strong asset.

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CNL has an Employment Equity Program and encourages applications from women, Aboriginal Peoples, visible minorities and persons with disabilities.

We thank all applicants for their interest, but only candidates selected for an interview will be contacted.