



NUCLEAR WASTE MANAGEMENT ORGANIZATION SOCIÉTÉ DE GESTION DES DÉCHETS NUCLÉAIRES

The **Nuclear Waste Management Organization (NWMO)** is responsible for the safe, long-term management of used nuclear fuel in Canada. The approach it is implementing, known as Adaptive Phased Management (APM), involves developing a centralized underground repository, supported by a robust social and technical research program in collaboration with Canadian universities, consultants and international waste management organizations.

Join our growing team of scientists, engineers and other professionals to work collaboratively with Canadians in implementing our management approach in a manner that safeguards people and respects the environment, now and in the future.

## **Senior Engineer – Fuel Packaging**

Reporting to the Manager, Fuel Handling and Sealing System Design, provide support through development and demonstration of Used Fuel Unloading, Transfer, and Packaging for long-term management of Canada's used nuclear fuel.

Perform as a technical expert in the designated discipline. Specific duties include:

- Develop requirements for processes and systems to transfer used CANDU fuel from transportation packages into Used Fuel Containers.
- Develop and demonstrate automated assembly processes as may be required for manipulation and assembly of radioactive materials.
- Provide support to architectural / design organizations developing specifications and equipment designs for facilities to package used fuel.
- Provide support for development of cost updates related to fuel packaging technology as it would apply to large capital projects.
- Support Safety and Licensing in preparation of Safety Cases by providing necessary input data as well as support the Siting initiatives.
- Manage multi-disciplinary contracts with multiple stakeholders related to the development and demonstration of fuel packaging.
- Generate technical reports documenting findings and manage workflow through Team Center (a PC based configuration management system).
- Support / represent the Engineering Team in regulatory meetings for technical discipline.
- Keep abreast of developments in radioactive waste management technologies through technical publications, contacts with internal and external experts in the field, and conference presentations.
- Present results to technical groups, government authorities and national waste management organizations.

Requires subject matter experience in one or more of the following subject areas:

- Designing or operating the processes and structures to work in radioactive environments.
- Designing or operating the equipment to work in containment, related active areas or areas containing hazardous substances.
- Automation and inspection processes where remote handling is necessary due to the radiological hazard.
- Regulatory/design requirements for Class 1B nuclear facilities.

Requires the following skill sets:

- Ability to assume responsibility for projects within the discipline, including work and resource planning, contract management, problem resolution, work monitoring and accomplishment to Supervisor satisfaction.
- Effective in applying theoretical and practical technical knowledge and sound analytical thinking to solve problems in the appropriate subject areas.
- Strong and clear oral and written communication skills.

Requires a university degree in an engineering discipline directly related to the accountabilities for this position. Candidates with lesser qualifications will be considered provided their academic background aligns with the posting requirements.

You must be eligible to work in Canada and must be able to meet security clearance requirements. We offer competitive base salaries and a comprehensive pension and health care benefits package. This position may require some travel.

The NWMO supports the principles and practices of diversity and is committed to providing a respectful, accessible, and inclusive environment for all persons with disabilities in a way that is respectful of the dignity and independence of people with disabilities and in a manner that takes into account the person's disability and embodies the principles of integration and equal opportunity. The NWMO will provide accommodation to applicants with disabilities. If you require accommodation, please **Contact Us**.

Please submit your application quoting **Senior Engineer – Fuel Packaging** to:  
[Employment@nwm.ca](mailto:Employment@nwm.ca)