

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.

Engineer/Scientist/Technical Officer – Safety Assessment (More than one required)

These positions would be of interest to recent graduates with 2-4 year's work experience.

Reporting to the Manager, Used Fuel Safety Assessment, provide safety analysis of nuclear waste repositories as well as assist in the definition of safety assessment needs and business planning.

Perform the following technical duties in the designated discipline. Specific duties include:

- Develop models for radionuclide and contaminant transport and impact.
- Prepare input files, run safety assessment computer models, and analyze results.
- Contribute to safety assessment reports and presentations.

Identify, define, evaluate, secure and manage contracts related to nuclear waste repository safety assessment. Present results to technical groups, government authorities and other organizations. Present results and interact with public. Keep abreast of developments in repository safety assessment through technical publications, co-operative projects, contacts with external experts and conference presentations. Carry out all work activities in compliance with legislated and corporate requirements and programs.

Qualifications & Experience:

- Requires a 4-year university degree in a relevant engineering or science discipline, preferably nuclear engineering, chemical engineering, physics, chemistry or environmental science.
- Requires over 2 years and up to and including 4 years' experience in at least one of the following areas:
 - Developing conceptual models for physical processes.
 - Development and/or application of computer models for hydraulic analyses or mass transport analyses or contaminant transport analyses or coupled thermal-hydraulic-mechanical processes.

- Ecological risk assessment.
- Probabilistic safety or risk analysis.
- Requires experience in assuming responsibility for projects within the discipline, including work and resource planning, contract management, problem resolution, work monitoring and accomplishment to Supervisor satisfaction.
- Must be able to effectively apply theoretical and practical technical knowledge and use sound analytical thinking to solve problems in the appropriate subject areas.
- Must be able to communicate effectively in both oral and written form.
- Must be willing to support NWMO public engagement program, which includes interacting with public in potential siting areas within their technical area.
- Knowledge of nuclear waste, radiation protection and/or criticality analysis would be an asset.
- Knowledge of regulatory criteria relevant to environmental and human impacts would be an asset.
- Experience working under a quality assurance based management system would be an asset.

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.

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 **Engineer/Scientist/Technical Officer – Safety Assessment** to: Employment@nwmo.ca