



The ***Nuclear Waste Management Organization (NWMO)*** is responsible for the long-term management of used nuclear fuel produced in Canada. 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. We are now offering a challenging position at our Toronto headquarters.

The NWMO is mandated with implementing Adaptive Phased Management, Canada's approach for long-term management of used nuclear fuel. This approach involves the development of a centralized underground repository, supported by a robust social and technical research program in collaboration with Canadian universities, consultants and international waste management organizations.

The NWMO is also leading the development of a deep geologic repository for low and intermediate level radioactive waste at the Bruce nuclear site in Kincardine, Ontario, on behalf of Ontario Power Generation.

### **SENIOR COATINGS ENGINEER**

This position offers a significant opportunity for an Engineer who has in-depth knowledge and experience in the transfer of R&D to prototype manufacture. The NWMO is currently undertaking a Proof Test Program to demonstrate the manufacturability of Used Fuel Containers (UFCs) including prototype and serial pre-production campaigns. The successful candidate will work at our Toronto headquarters and lead the implementation, scale-up and optimization of electrodeposition copper coating reference technology on UFCs.

This role will be of interest to those wanting to use their technical expertise and knowledge to act as an Owner subject matter expert and contribute technical direction in collaboration with Vendor development teams, to improve copper electrodeposition fabrication processes with respect to quality, reliability and productivity.

The specific duties include:

- Being the technical expert in the area of electrodeposited copper coatings for use as the corrosion barrier on UFCs.
- Interfacing with copper coating technology vendors, equipment providers, consultants and universities in the optimization and implementation of manufacturing processes.
- Designing and implementing comprehensive metallurgical test programs to validate quality.
- Managing coating programs including developing work plans, detailed procurement documents, schedules and identification of resources to execute activities.
- Providing management with data-driven recommendations through technical reports supporting the transfer of findings into design engineering requirements and documents.
- Conducting internal and external presentations on the copper coating program, including updates to international nuclear waste organizations and the Canadian nuclear regulator.

## **Qualifications and Experience:**

The successful candidate will have:

- A four year university degree in chemical engineering, material science engineering or discipline directly related to the accountabilities.
- Over six years' experience to be recognized as in technical expert in electroplating or electroforming manufacturing.
- Strong understanding of electrochemistry and process chemistry.
- Demonstrated experience in the application to production electroplating.
- Experience in planning and managing projects, including work and resource planning, contract management, problem resolution and work monitoring.
- Ability to meet milestones and deliverables.
- Experience in applying theoretical and practical technical knowledge and sound analytical thinking to solve problems.
- Demonstrated ability to work effectively in a multi-disciplinary team environment.
- Proficient verbal and written communication skills to produce technical reports, recommendations and presentations.
- Excellent PC skills (Microsoft Office Suite).

**Candidate with less qualifications and experience may be considered.**

You must be eligible to work in Canada and must be able to meet security clearance requirements.

We offer competitive base salary and 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 which 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 via e-mail quoting **Senior Coatings Engineer** to: [Employment@nwm.ca](mailto:Employment@nwm.ca) or via mail to: NWMO, Attn: Janet David, 22 St. Clair Avenue East, 6<sup>th</sup> Floor, Toronto, Ontario, Canada, M4T 2S3.