NUCLEAR WASTE MANAGEMENT ORGANIZATION
SOCIÉTÉ DE GESTION DES DÉCHETS NUCLÉAIRES

The ***Nuclear Waste Management Organization*** 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.

DEVELOPMENTAL ENGINEERING
STUDENT OPPORTUNITY (Safety Assessment Support)

(One position available)

WORK ACTIVITIES:

The primary focus is to consolidate all known characteristics of the ash, Low Level Waste (LLW) resin, and Active Liquid Treatment Waste (ALW) sludge in databases and document the findings in technical reports.

In particular,

1. Consolidate all known characteristics of ash wastes:
    - Compile an EXCEL database for the radionuclide concentration in ash wastes. Data will need to be QA checked against original data source, analyzed statistically and plotted; a literature review will be performed, to see if there is data for other CANDU or international lower level radioactive waste that can be used as a comparison.
    - Compile an EXCEL database for chemical composition of ash wastes. Elemental data for ash will need to be QA checked against original data source, analyzed statistically, and plotted.
    - Prepare a “Characteristics of Ash Waste” report, using the non-processible waste report as an example.
2. Consolidate all known characteristics of ALW sludge and LLW resin wastes:
    - Compile an EXCEL database for the radionuclide concentration in ALW sludge and LLW resin wastes. Data will need to be QA checked against original data source, analyzed statistically and plotted; a literature review will be performed, to see if there is data for other CANDU or international low level radioactive waste that can be used as a comparison.
    - Compile an EXCEL database for chemical composition of ash wastes. Elemental data for ALW sludge and LLW resin will be needed to be QA checked against original data source, analyzed statistically, and plotted.
    - Prepare a “Characteristics of ALW Sludge and LLW Resin Waste” report, using the non-processible waste report as an example.

Perform other duties as required, including QA checking of various documents related to waste characterization.

STUDENT QUALIFICATIONS:
It is recommended that a student in a university chemical engineering program (preferably completed 2nd or 3rd year). Candidates with successful previous placements of a similar nature will be preferred. The following skills will also be an asset:

- Good knowledge of statistics;
- Good knowledge of EXCEL;
- Quick learner;
- Can work independently;
- Proficient oral and written communication skills.

EMPLOYMENT PERIOD:
4 months – Winter Term; January 2, 2018 – April 30, 2018

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 **Developmental Engineering Student Opportunity (Safety Assessment Support)**, to: **Employment@nwmo.ca**