



Supplementary Information

Presentation from Kinectrics Inc.

In the Matter of the

Canadian Nuclear Laboratories (CNL)

Application from the CNL to amend its Chalk River Laboratories site licence to authorize the construction of a near surface disposal facility

Commission Public Hearing Part 2

May 30 to June 3, 2022

Renseignements supplémentaires

Présentation de Kinectrics Inc.

À l'égard des

Laboratoires Nucléaires Canadiens (LNC)

Demande des LNC visant à modifier le permis du site des Laboratoires de Chalk River pour autoriser la construction d'une installation de gestion des déchets près de la surface

Audience publique de la Commission Partie 2

30 mai au 3 juin 2022



KINECTRICS

Kinectrics support of Chalk River Laboratories Site
Licence amendment to authorize construction of a
Near Surface Disposal Facility

Intervention to the Canadian Nuclear Safety Commission

June 1, 2022

Who we are



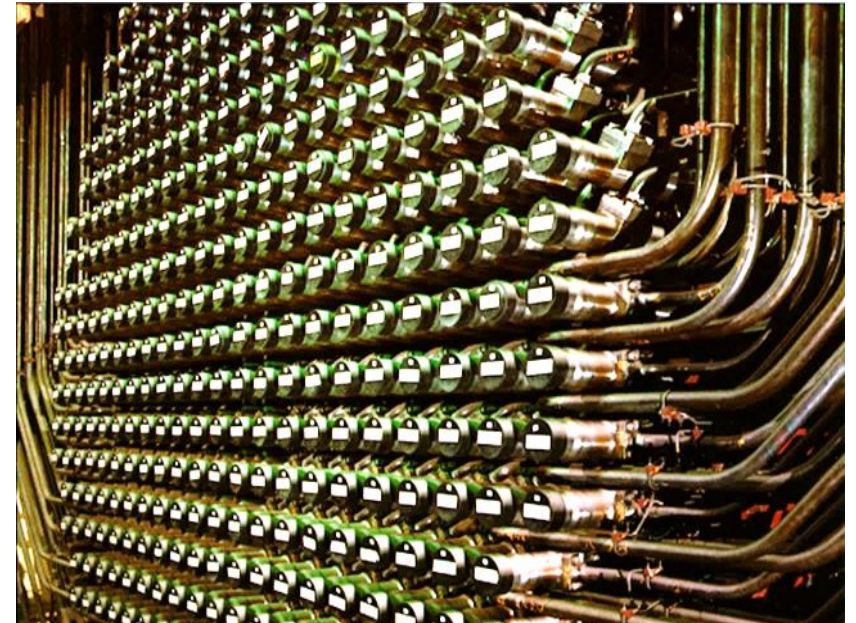
- More than 1,100 staff providing complete lifecycle management solutions to the electricity and nuclear industry.
- Based in Etobicoke, with offices and laboratories in:
 - Pickering
 - Downtown Toronto
 - Bruce County
 - Saint John, NB
 - United States
 - Germany
 - Denmark
 - Romania
 - United Kingdom
 - India
- Own and operate 3 CNSC licensed facilities.



What we do



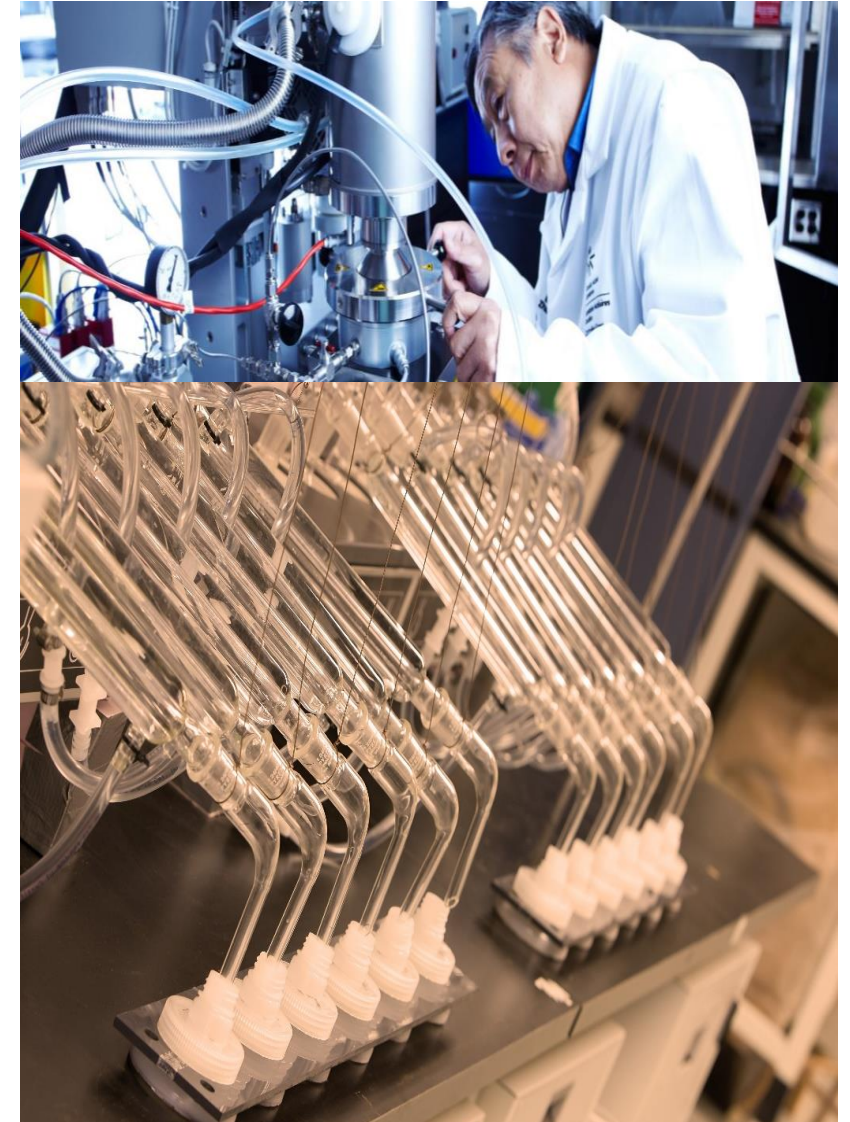
- Our services include:
 - Field and laboratory testing, including materials and chemical analysis
 - Inspection and analysis
 - Consultancy services
 - Project management
 - Nuclear radiation safety
 - Nuclear Safety & Licensing services
 - Majority of specialized safety analysis services for Nuclear Power Plants



Our Services to CNL



- Assessments and analyses in support of CNL Safety Report updates
- Hazard identification and analysis of CNL facilities
- Third Party Review of CNL design strategies to ensure it meets regulatory requirements, and applicable codes and standards
- Fabrication of plant materials for research and development purposes
- Material tests and analyses of plant components to characterize performance under various plant conditions
- Laboratory analysis of radioactive samples



Technical Support Provided for NSDF

- Provided safety engineering and licensing support during the early stage of the project.
 - Development and review of selected analysis and licensing submissions
 - Supported the preparation of the safety case
- Working with CNL provided first-hand insight into their attention to detail and rigor in all project activities.



NSDF and the Environment

- Re-enforces CNL's commitment to safety and environmental accountability.
- Enables remediation of the surrounding area of the Chalk River Laboratories.
- Provides a robust engineered solution for long-term disposal of low-level waste to further enhance the safeguards for the local community and the Ottawa River.



CNL and Indigenous Relations

- Through our work with CNL, we had the opportunity to support and observe CNL's strong commitment to Indigenous peoples and communities.
- As a proud member of the Canadian Council for Aboriginal Business (CCAB) which aims to strengthen the relationship between Aboriginal and non-Aboriginal peoples, businesses and communities, Kinectrics is pleased to support CNL in this regard.



NSDF Impact on CNL & Deep River



- Revitalization and modernization of the Chalk River Laboratories campus.
- Introduce future opportunities for employment, business, supplies and services to both CNL and the local economy.
- Modernization will bolster CNL's research capability.
 - Clean energy technology
 - Health science



Summary



- Kinectrics is confident CNL will construct and operate the NSDF safely and ensure the protection of people and the environment.
- The NSDF is part of the long-term solution to low-level waste in Canada.
 - By addressing it now, we protect our future.
- Kinectrics fully supports CNL's application to amend its Chalk River Laboratories Site Licence to authorize construction of a NSDF.





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