



**Written submission from the
Facilities Decommissioning and
Environmental Remediation at CNL**

**Mémoire du Déclassement des
installations et l'assainissement de
l'environnement aux LNC**

In the Matter of the

À l'égard des

Canadian Nuclear Laboratories (CNL)

Laboratoires Nucléaires Canadiens (LNC)

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

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

**Commission Public Hearing
Part 2**

**Audience publique de la Commission
Partie 2**

May and June 2022

Mai et juin 2022



2022-04-11

Senior Tribunal Officer, Secretariat
Canadian Nuclear Safety Commission
280 Slater Street P.O. Box 1046, Station B
Ottawa, Ontario K1P 5S9

Letter of support for Canadian Nuclear Laboratories' application to construct a near surface disposal facility (IAA Reference Number: 80122)

The undersigned staff from Canadian Nuclear Laboratories (CNL) Facilities Decommissioning and Environmental Remediation organization supports CNL's proposed Near Surface Disposal Facility project to address radioactive waste currently at Chalk River Laboratories (CRL) site.

Our organization is responsible to manage and reduce the risks and liabilities of historic facilities, wastes, and contaminated lands on the CRL site. This includes transitioning facilities from operations to decommissioning, waste and facility characterization, removal of contaminated systems, structures and components, remediation, demolition, and compliant packaging of the waste generated for interim storage. We generate large volumes of Low Level Waste, and to progress our clean up mission we require a long term solution. We are leaders in nuclear decommissioning and soil remediation in Canada, and execute our work reflective of the safety standards that the industry demands and society expects. As staff of CNL, we have been engaged and provided information and an opportunity to ask questions on the NSDF project through webinars, all staff presentations, staff newsletters, as well as newsletters sent within the community.

Chalk River Laboratories is central to Canada's nuclear industry, and has been the source of breakthroughs in science and technology for the past 70 years.

Research at Chalk River Laboratories directly supports the nuclear industry in many ways, including conducting cancer research, and producing innovative technology for the sustainability of nuclear reactors in Canadian communities that provide power for millions of people.

The issue of legacy radioactive waste from previous industrial activities, and the burden this puts on future generations. CNL's application to construct a near surface disposal facility at Chalk River is critical to the current modernization of the laboratory as well as CNL's overall activities. The proposal to construct an engineered disposal facility for the waste at Chalk River represents a major step forward for Canada's waste management industry as it provides a permanent solution for low-level radioactive waste. The approval of this project is not only important for the future of Chalk River Laboratories, but also for the overall approach to nuclear waste management to address future waste liabilities in Canada.

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2022-04-11

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As Canada's independent nuclear regulator, the Canadian Nuclear Safety Commission is internationally recognized as a world leader in evidence-based decision making. We are confident in the regulatory process to ensure that the NSDF proposal will meet the highest standards for safety. The proposal has been extensively studied and the engineered near surface design is an appropriate solution for disposal of low-level radioactive waste.

We are satisfied with the results of the NSDF Environmental Assessment and supports CNL's proposal for the disposal of low-level radioactive waste at Chalk River Laboratories.

Thank you for providing the opportunity to intervene in this process,

Caley Griener 

Patrick Aikens 

Kris Lariviere 

Marcel Roy 

Patrick Mansfield 

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