



**Oral presentation**

**Exposé oral**

**Written submission from  
the Radiation Safety Institute of  
Canada**

**Mémoire de  
l'Institut de radioprotection du  
Canada**

In the Matter of the

À l'égard des

**Canadian Nuclear Laboratories (CNL)**

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**Laboratoires Nucléaires Canadiens (LNC)**

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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**

Filed on April 11, 2022

Through its stakeholders, the Institute has been receiving some community concerns surrounding the potential construction by CNL of the near-surface disposal facility in Deep River, Ontario.

In connection with these concerns, the Institute's team has reviewed the re-licensing documentation submitted by the proponent to the CNSC and identified areas where more information would be beneficial before a final decision is made.

The two areas are:

- a detailed exploration of the "worst-case scenario". For example, what would happen should nuclear wastes through some unforeseen circumstance end up in the Ottawa River, contaminate groundwater or other waterways, unlikely as this scenario may be.
- specific questions about the proposed new base liner and its ability to withstand seismic activity and degradation over time.

What we hear through our channels of communication is that community members are aware of the fact that, presently, there are wastes collected on the Chalk River Laboratories site, and the proposed near-surface disposal facility for low-level radioactive waste is an approach to finding a more permanent solution. However, the community members we have connected with have questions they may need help answering. We apologize in advance for this short-form submission. We would like to ask for an opportunity to submit a more detailed one at a later stage. We are experiencing temporary capacity shortages due to Covid.

Radiation Safety Institute of Canada