



**Supplementary Information
Oral presentation**

**Presentation from
Lynn Jones**

In the Matter of the

Canadian Nuclear Laboratories

Application for the renewal of the Nuclear
Research and Test Establishment Operating
Licence for the Chalk River Laboratories

Commission Public Hearing

January 23-25, 2018

**Renseignements supplémentaires
Exposé oral**

**Présentation de
Lynn Jones**

À l'égard des

Les Laboratoires Nucléaires Canadiens

Demande de renouvellement du permis
d'exploitation d'établissement de recherche
et d'essais nucléaires pour les Laboratoires
de Chalk River

Audience publique de la Commission

23-25 janvier 2018

*This page was intentionally
left blank*

*Cette page a été intentionnellement
laissée en blanc*

CNSC Public Hearing regarding the site license for Chalk River Laboratories

Presentation by Lynn Jones

January 24, 2018



Photo by Ray Nash

Would the Commissioners please ask the licensee, what the status of the CPDP is, and if it is still the plan for the Chalk River Labs site, then why is the engineered mound for “low” level waste not included in it?

What is the point of having a legal requirement for a CPDP if the licensee is not required to follow it?



Chalk River's toxic legacy

IAN MACLEOD

Published on: December 15, 2011 |

\$7.6 Billion

Understand potential market deployment opportunities in Canada

In a recent Nuclear Energy Insider webinar with senior executives from Canadian Nuclear Laboratories, a poll went out asking people to vote on the markets they view as most attractive for SMR deployment.

Canada was certainly an attractive market for nearly 80% of respondents and Nuclear Energy Insider has since put together a whitepaper that discusses the opportunities the Canadian market offers for next generation nuclear technology deployment.

Download your copy today to find out more about the opportunities Canada offers >>>

Here's a summary of what's in the whitepaper:

- **Opportunities aplenty:** With a history of nuclear innovation and a benign regulatory environment, Canada has already taken a "small early lead in the race to commission the first commercial fourth-generation reactor in North America"
- **The right skills for the future:** Chalk River, specifically, looks set to play a vital role in the development of SMR technology in Canada. The lab, the largest research centre of its kind in Canada, is active in nuclear science and technology, clean-up operations and infrastructure renewal



[Home](#) → [Canadian Environmental Assessment Agency](#)

Strategic Environmental Assessment

Strategic environmental assessment (SEA) is a tool that contributes to informed decisions in support of sustainable development by incorporating environmental considerations into the development of public policies and strategic decisions.

The Cabinet Directive

The [Cabinet Directive on the Environmental Assessment of Policy, Plan and Program Proposals](#) sets out the expectations of ministers and Cabinet on when a SEA should be conducted and what it should consider. It requires that the environmental analysis be fully integrated into the proposal development process. It specifies that ministers expect a SEA when the following two conditions are met:

- The proposal is submitted to an individual minister or Cabinet for approval.
- The implementation of the proposal may result in important environmental effects, either positive or negative.

The Guidelines

The [Guidelines for the Implementation of the Cabinet Directive on the Environmental Assessment of Policy, Plan and Program Proposals](#) (the Guidelines) describe the overall process and guiding principles for SEA. The Guidelines were updated in October 2010 and include new public and parliamentary reporting

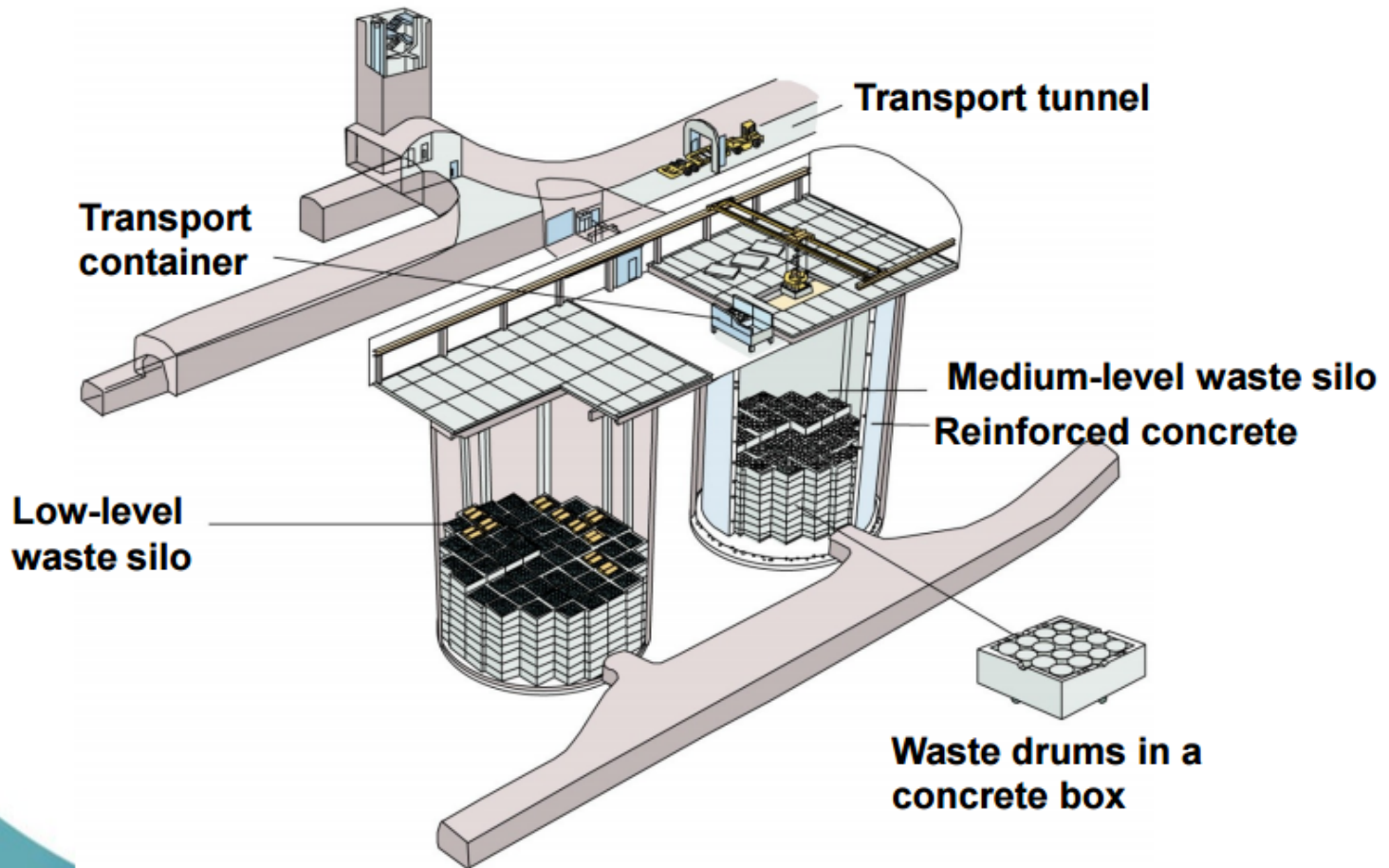


Waste shielded modular above-ground storage facility at Chalk River.



The interior of a modular above-ground storage facility at Chalk River.

LLW/ILW REPOSITORY AT OLKILUOTO – SILOS



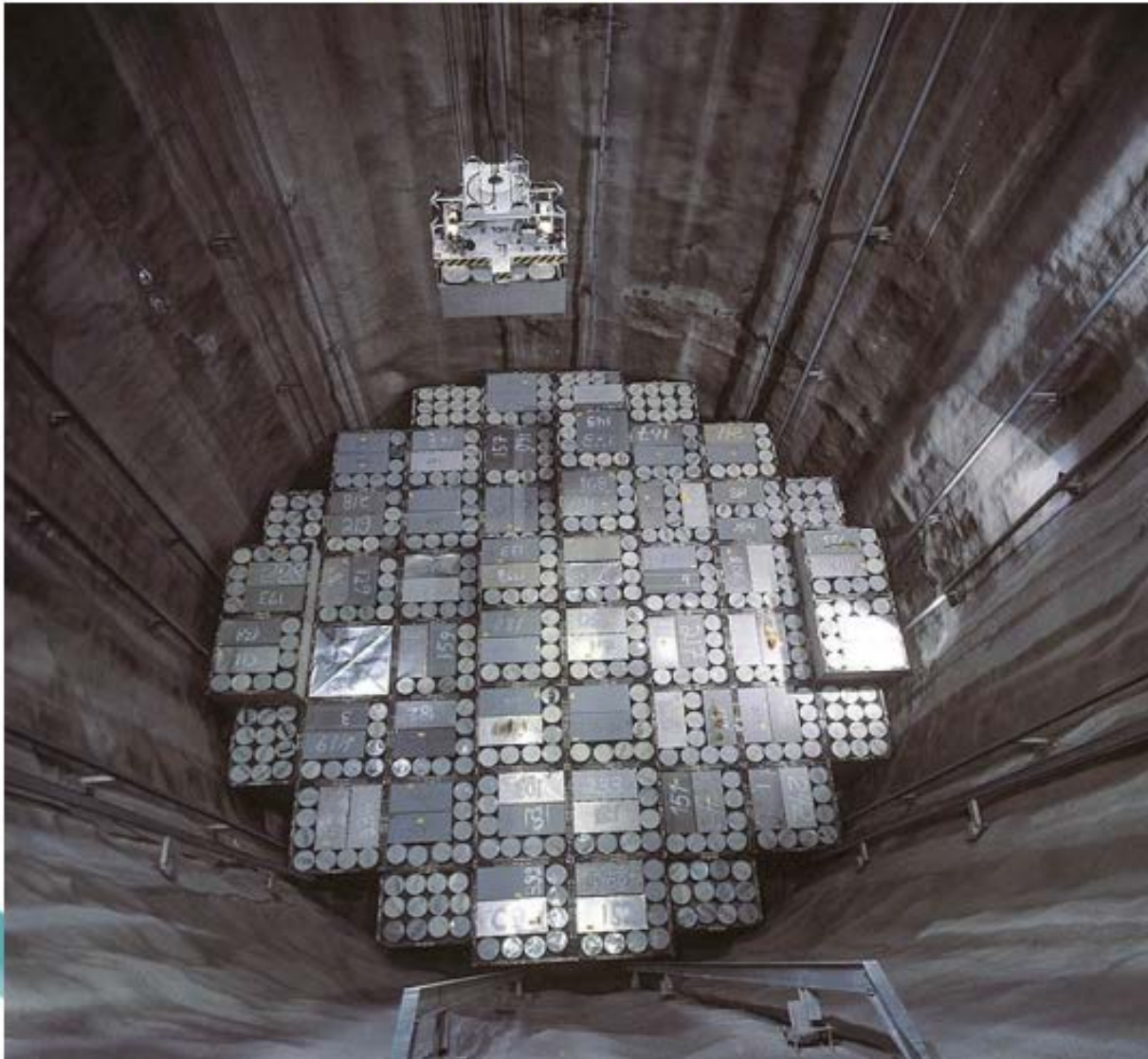
Source: *Management of Spent Fuel and Other Nuclear Waste in Finland - Progress of the Programme since the 1970s* IAEA Workshop on Building Partnership in Waste Disposal Programme Kuala Lumpur, 31 October – 2 November, 2011

ACCESS TUNNEL OF THE LLW/ILW REPOSITORY



Source: *Management of Spent Fuel and Other Nuclear Waste in Finland - Progress of the Programme since the 1970s* IAEA Workshop on Building Partnership in Waste Disposal Programme Kuala Lumpur, 31 October – 2 November, 2011

SILO FOR LLW



TVO

Source: *Management of Spent Fuel and Other Nuclear Waste in Finland - Progress of the Programme since the 1970s* IAEA Workshop on Building Partnership in Waste Disposal Programme Kuala Lumpur, 31 October – 2 November, 2011

The consortium plans to create a giant above-ground mound of “low” level and long-lived wastes

~

The plan defies International Atomic Energy Agency guidance about isolating such wastes from the biosphere

How confident are you that the applicant will “make adequate provision for the protection of the environment, the health and safety of persons and the maintenance of national security and measures required to implement international obligations to which Canada has agreed.” ?



Photo by Ray Nash