

CMD 24-H3.65A

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Supplementary Information

Presentation from the Nuclear Waste Management Organization

Renseignements supplémentaires

Présentation de la Société de gestion des déchets nucléaires

In the Matter of the

À l'égard d'

Ontario Power Generation Inc.

Application for a licence to construct one BWRX-300 reactor at the Darlington New Nuclear Project Site (DNNP) **Ontario Power Generation Inc.**

Demande visant à construire 1 réacteur BWRX-300 sur le site du projet de nouvelle centrale nucléaire de Darlington (PNCND)

Commission Public Hearing Part-2 Audience publique de la Commission Partie-2

January 8-10 and 13-14, 2025

8-10 et 13-14 janvier 2025



Intervention in the matter of **V** OPG's application for the Licence to Construct for the **Darlington New Nuclear Project** (DNNP)

> Chris Boyle, Vice President and Chief Engineer



NUCLEAR WASTE SOCIÉTÉ DE GESTION MANAGEMENT DES DÉCHETS ORGANIZATION NUCLÉAIRES

About the NWMO

The Government of Canada, through the *Nuclear Fuel Waste Act* (2002), assigned responsibility for the longterm management of Canada's used nuclear fuel to the NWMO.

In 2023, through the Integrated Strategy on Radioactive Waste, the NWMO assumed the responsibility for safe, long-term management of Canada's intermediate-level and non-fuel high level waste

Deep geological repositories remain the international consensus



Wabigoon Lake Ojibway Nation -Ignace

Deep geological repository for Canada's used nuclear fuel - scope

- Surface facilities including an excavated rock management area
- Underground demonstration facility and emplacement rooms for the used fuel
- Based on 5.9 million CANDU (or equivalent) fuel bundles

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Anticipated Timelines for NWMO's First Deep Geological Repository Process



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Integrated Strategy for Radioactive Waste (ISRW)

In October 2023, NRCan endorsed the ISRW which included the following recommendation, representing new work for the NWMO:

Intermediate-level waste & non-fuel high-level waste to be disposed of in a deep geological repository with implementation by the NWMO.



Anticipated Timelines for NWMO's Second Deep Geological Repository Process



nwmo

The NWMO is responsible for both ILW and HLW (including used fuel) of existing and future nuclear facilities in a deep geological repository (regardless of the location of the repository)

The NWMO will meet the commitments made in our hosting agreements



>> Thank you!

