

» Implementing Canada's Plan for Used Nuclear Fuel

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nwmo

NUCLEAR WASTE
MANAGEMENT
ORGANIZATION

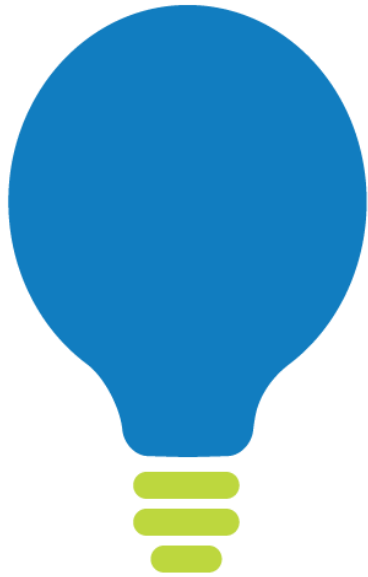
SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES



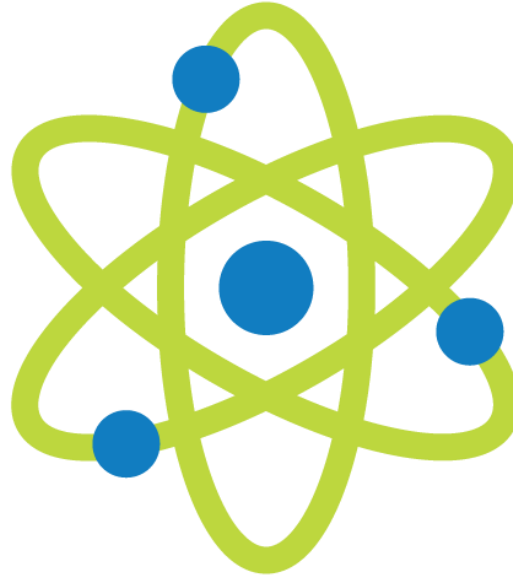


» Progress on Canada's Plan

Implementing a safe, long-term plan



Created in 2002



Non-profit organization
funded by waste owners



Through dialogue with
Canadians and Indigenous
peoples, Canada's plan emerged

SASKATCHEWAN

1

2

3

Communities that expressed
interest in the site selection process

● **Assessments underway in the area**

5. Ignace

21. South Bruce

● **Communities not identified
for further study**

1. English River
First Nation

12. Wawa

2. Pinehouse

13. Blind River

3. Creighton

14. Elliot Lake

4. Ear Falls

15. The North Shore

6. Red Rock

16. Spanish

7. Nipigon

17. Saugeen Shores

8. Schreiber

18. Arran-Elderslie

9. Manitouwadge

19. Huron-Kinloss

10. Hornepayne

20. Brockton

11. White River

22. Central Huron

ONTARIO

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Site Selection Criteria

To identify a preferred location to take into detailed site characterization



Safety

1



Partnership

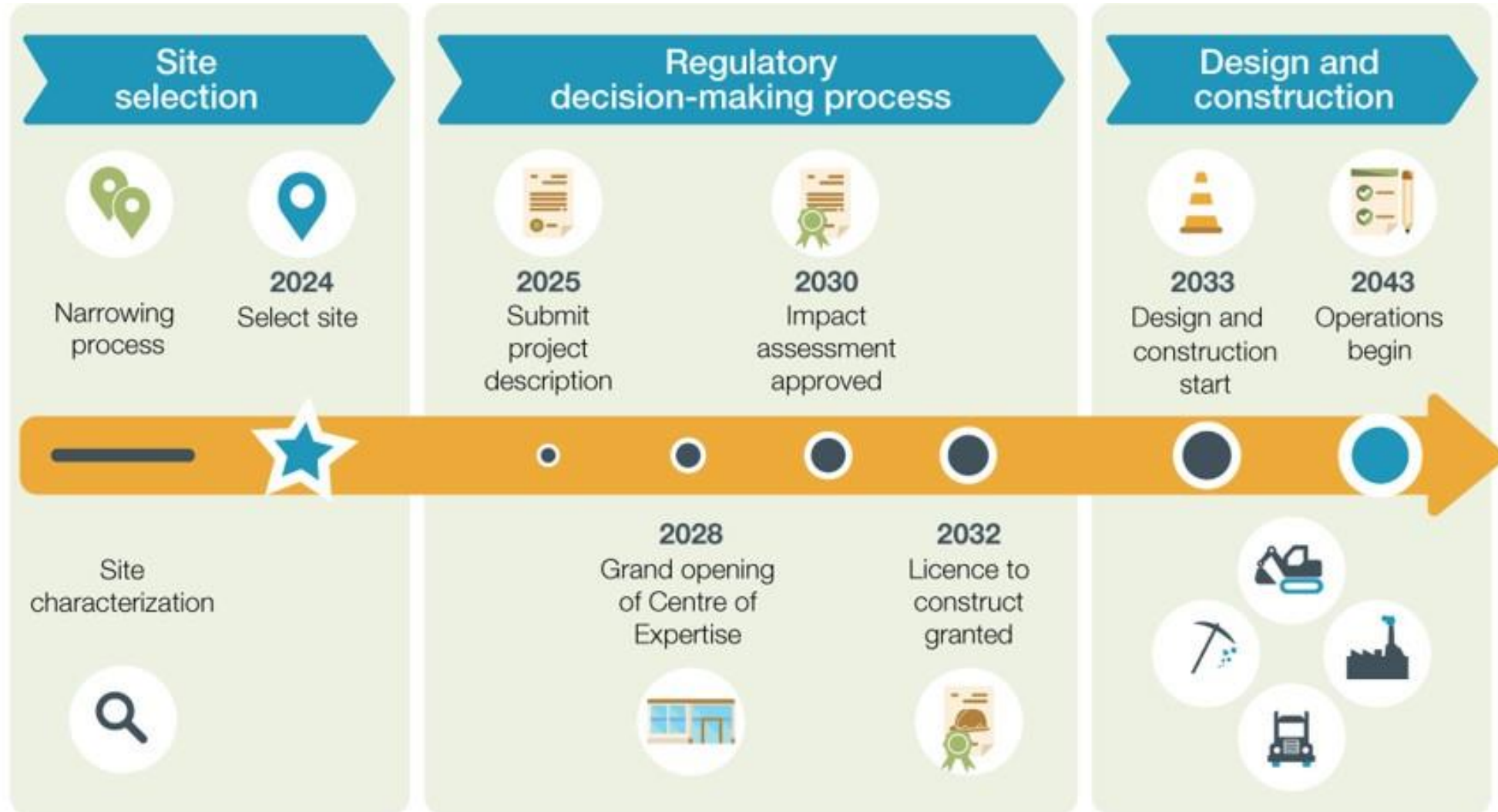
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Transportation



3

Project Timelines



SEPTEMBER 2022



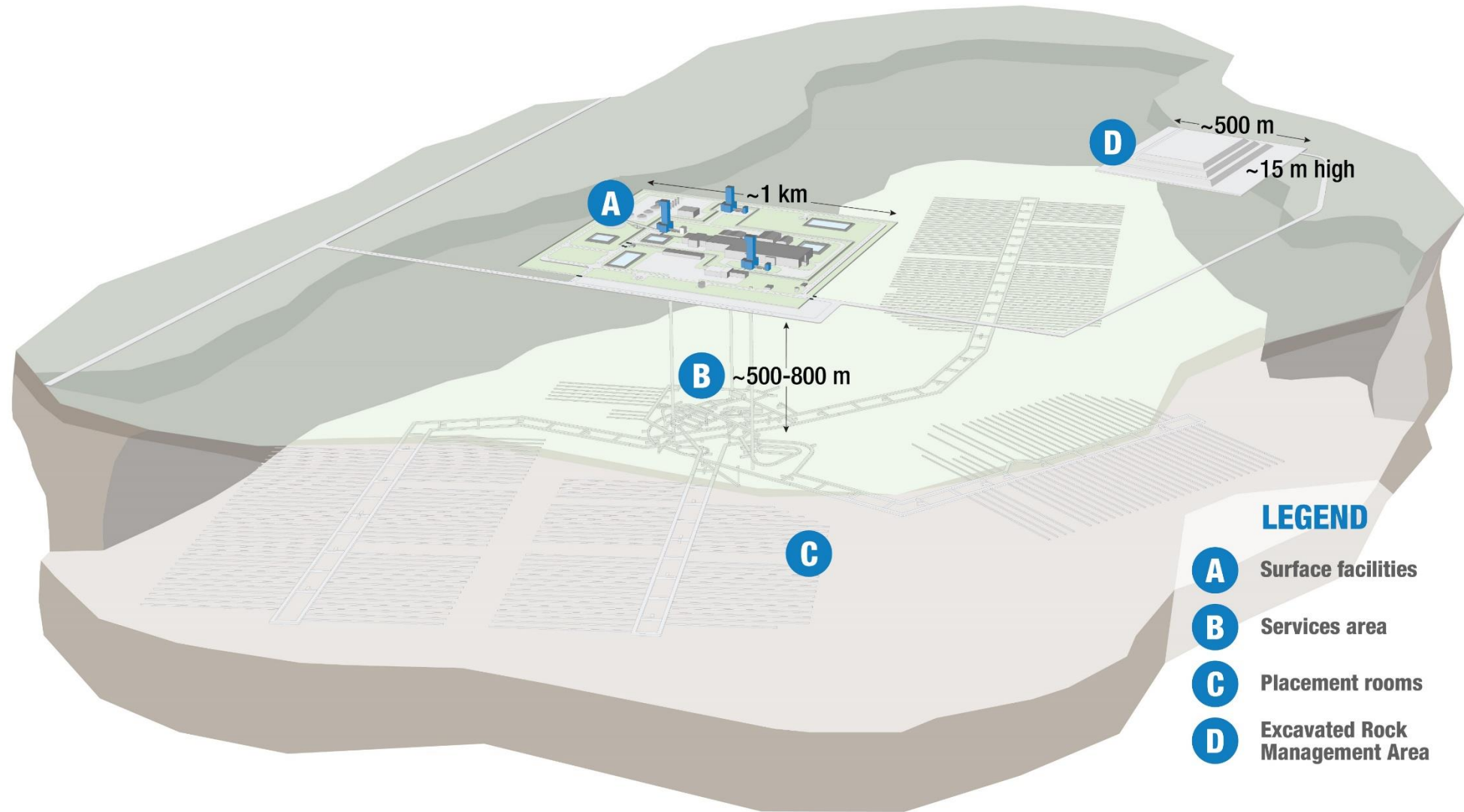
» Willingness and Reconciliation



**Wabigoon Lake
Ojibway Nation –
Ignace area**

**Saugeen Ojibway
Nation –
South Bruce area**

The NWMO's Deep Geological Repository



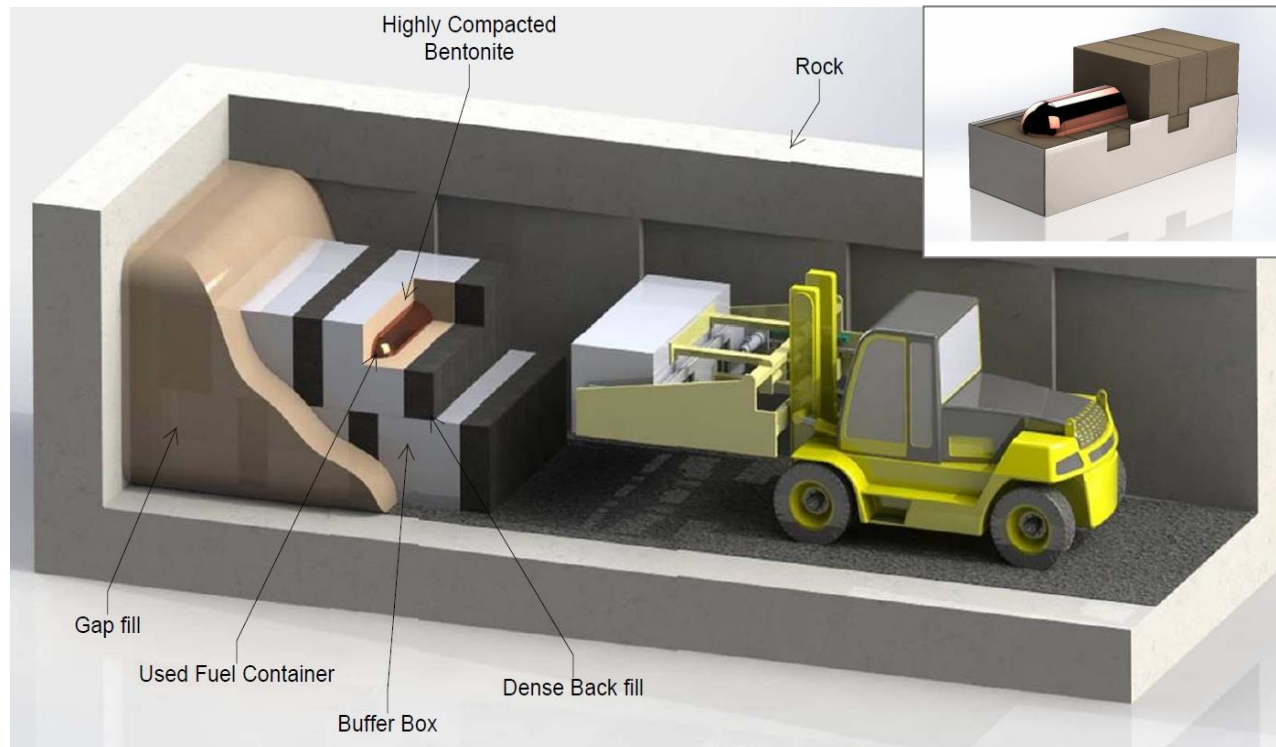
Site Investigation Ignace



Site Investigation South Bruce



Proof Testing & Technology Demonstration



Used nuclear fuel transportation



Hearing from the public on priorities, questions and concerns

- Since 2015 we have heard from thousands of individuals and groups on the subject
 - Over 300 meetings
- Development and release of Draft Transportation Planning Framework August 2020
 - Over 50 meetings and hundreds of questions



SMR Fuel Wastes

- NWMO is in discussion with several SMR vendors and utilities
- NWMO will apply the same standard of safety to managing nuclear fuel wastes from advanced reactors, including SMRs:
 - Physical requirements (solid waste form)
 - Characterization requirements (physical, chemical, radionuclides, etc.)
 - Repository requirements (packaging, impact on DGR layout)
 - Transportation requirements (transportable to the DGR site)



Thank you

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