

Long-Term Management of Canada's Used Nuclear Fuel:

Update on Adaptive Phased Management



February 2010

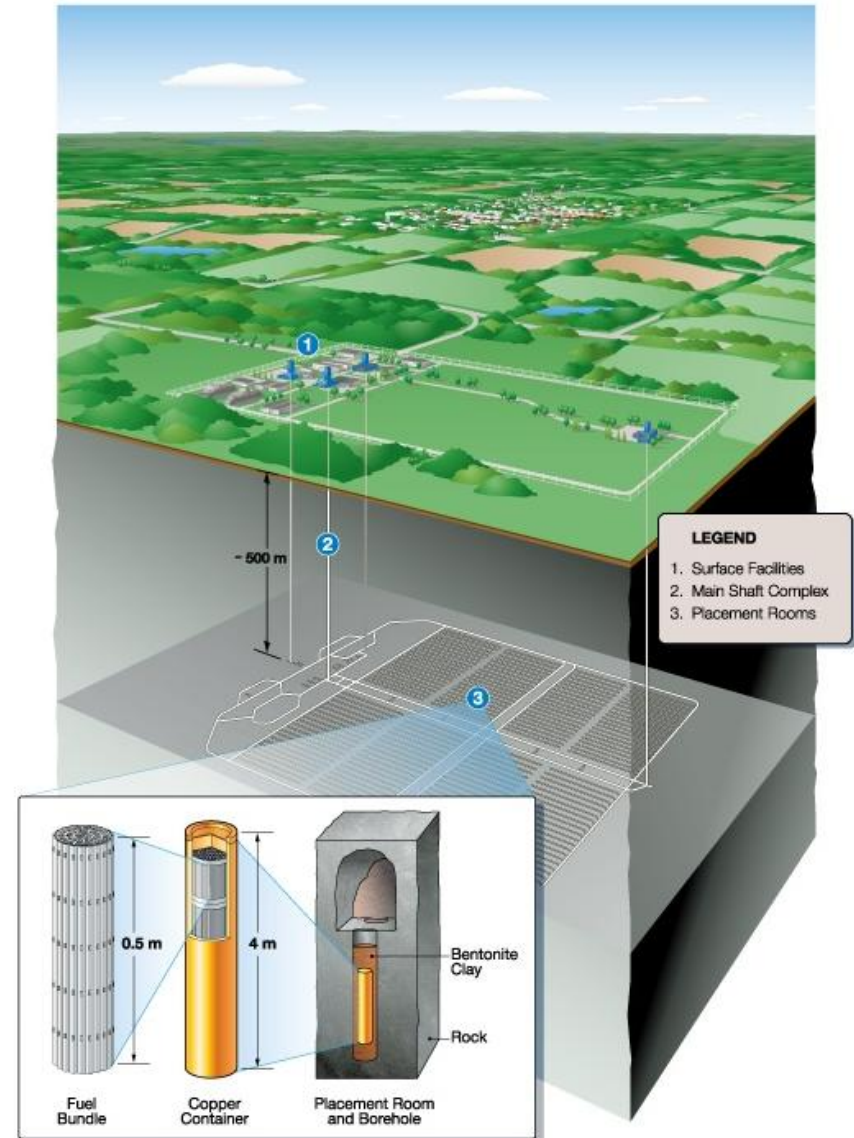
nwmo

NUCLEAR WASTE
MANAGEMENT
ORGANIZATION

SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES

Adaptive Phased Management

- High technology, national infrastructure project
 - Investment of \$16-24 billion
 - Will be operated as centre of expertise, comprising technical and social research and technology demonstration program
 - Will provide skilled employment for thousands over many decades
- Highly regulated – strict scientific and technical criteria ensure safety
- Long-term partnership between NWMO and community
- Ensure community well-being



Collaborative Design of Process for Site Selection

2008

- Dialogues about **principles & key elements** for a site selection process

2009

- Dialogues on **Proposed Process** for Selecting a Site
- Comments invited on the proposed process (May to December 2009)

Post-2009

- **Review comments, finalize Site Selection Process**
- Issue revised Site Selection Process
- Initiate site selection process



What is the Proposed Process?

Step 1

Becoming
aware &
informed

Steps 2, 3 & 4

Assessing interest &
suitability

- Community visioning
- Screening
- Feasibility
- Detailed assessment
- Regional study &
involvement

Step 5

Community
assesses &
demonstrates
willingness

Steps 6 & 7

Preferred site identified

- Collaborative agreement
established
- Centre of expertise established
& construction of underground
demonstration facility

Step 8

Regulatory review
& approvals

- Site is selected

Step 9

Construction
begins...

Possible timelines: Indicative Only



» 2010

- Complete development of site selection process based on 2008/9 engagement work
- Initiate site selection process

» 2010-2017

- Expressions of interest to learn more
- Initial screening criteria of interested communities potential suitability
- Preliminary assessment of potential suitability for detailed requirements of the project for interested, non-excluded communities
- Assessment by community to continue to detailed site evaluation
- Expression of interest for consideration , Regional studies, detailed site evaluations
- Assessment by community of willingness to accept project

» 2018 (indicative only – siting is community driven process)

- Expression of willingness to accept project
- NWMO and community with preferred site negotiate terms and conditions of agreement to host the project

Next Steps

- **Date for initiating APM Site Selection Process**
 - **May/June 2010** (reference planning assumption -date to be selected)

- **Activities to initiate APM site selection process:**
 - ***Release of Site Selection Process***
 - The “road map” for how communities can learn more, decision-making;
 - Process revised with input from 2009 dialogues

 - ***Publication of Information Kits, Q&As, on APM site selection process***

 - ***Program of activities to gradually raise awareness of APM siting***
 - Direct mailings of information, email subscription list
 - NWMO speaking opportunities at key meetings of FCM (May), AMO (August), Aboriginal and other organization meetings
 - Active “Siting” home on NWMO website – regular updates, Q&As, resources available to communities, tool kits
 - Earned media/articles
 - 2011 conference / workshop on siting topics – international speakers, best practices in community-based processes, community well-being

 - ***Respond to community requests – information, briefings, screenings***