



CANADA'S INTEGRATED STRATEGY FOR RADIOACTIVE WASTE

Community Dialogue Session

2021



WELCOME



WHY WE WANT TO HEAR FROM YOU

WHAT ARE THE DIFFERENT LEVELS OF RADIOACTIVE WASTE?



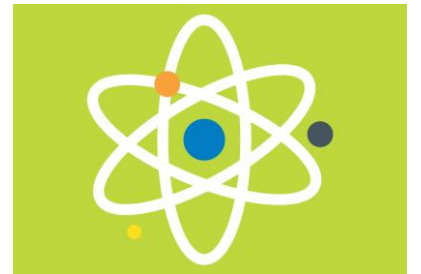
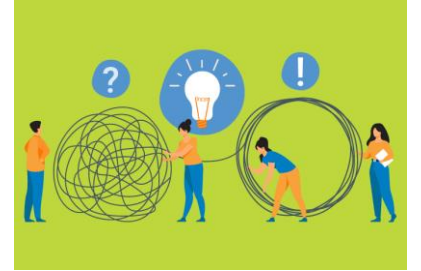
NUCLEAR ENERGY



https://youtu.be/e6IHV-xITjk?list=PLpHweZrkiq_vZaKF-uW4P7VIAB4nR06gv

AGENDA

1. Welcome
2. Presentation of background information
3. Pre-breakout session Q+A
4. Breakout sessions
5. Summary and polling questions
6. Closing
7. Post-session Q+A



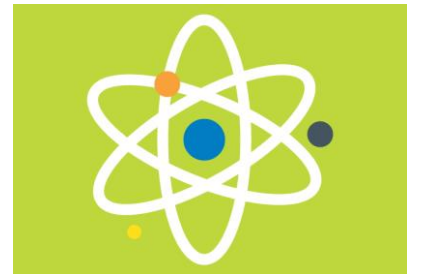


PRESENTATION

ISRW PROJECT

In November 2020, the Minister of Natural Resources Canada asked the NWMO to lead the development of an **integrated strategy on radioactive waste (ISRW)**

- Radioactive waste safely manage today
- Several long-term plans and projects exist
- Some gaps exist
- This strategy represents a **next step**



INTERNATIONAL BEST PRACTICE

*"Canada's low- and intermediate-level radioactive waste is **safely managed today** in interim storage.*

*An **integrated strategy** will ensure the material continues to be managed in accordance with international best practices over the longer-term. "*

- Laurie Swami, president and CEO, NWMO



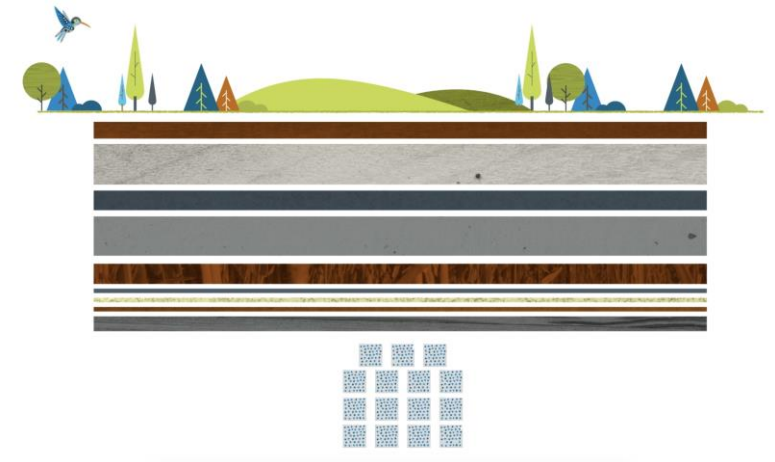
WHAT WILL IT INCLUDE?



**Taking Stock of
Current
Waste Management
Situation**



**Engaging on
Options to Address
the Gaps**



**Making
Recommendations for
Long-Term Management
Solutions**



NWMO was asked to help



radwasteplanning.ca
plandequetsradioactifs.ca

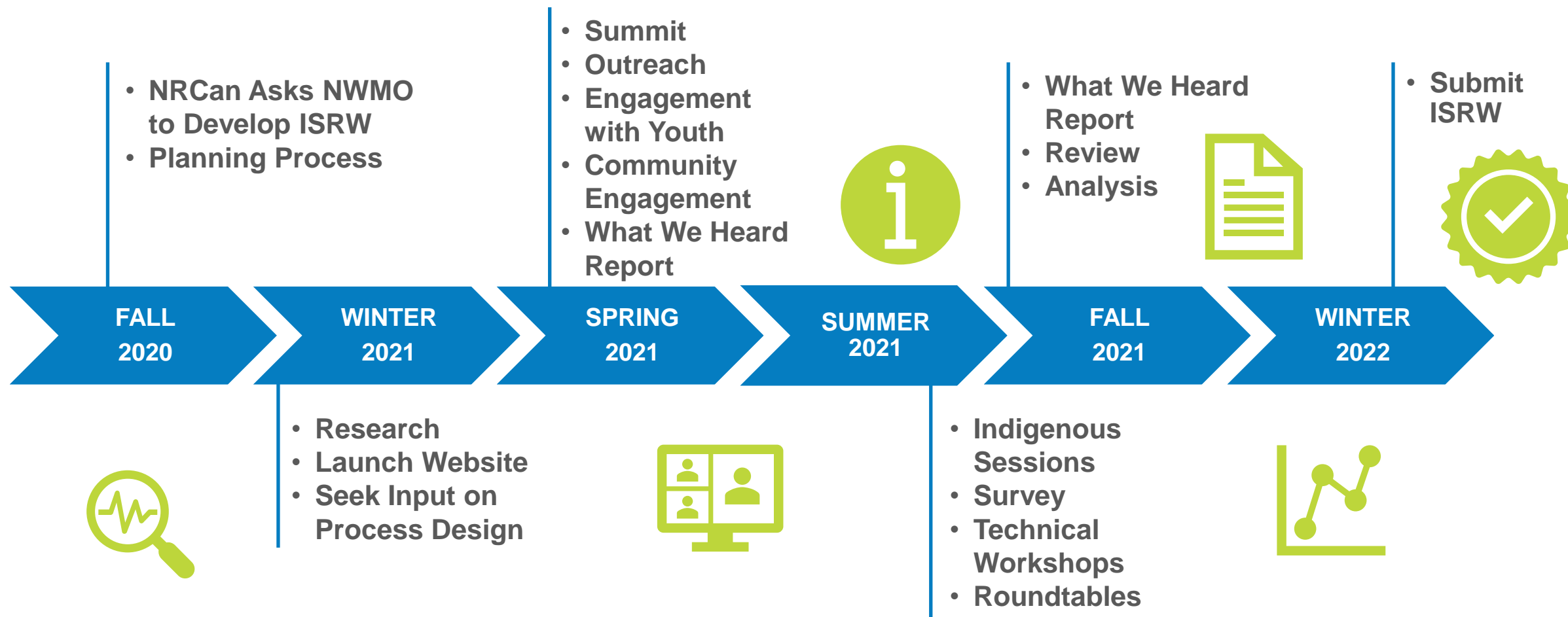


Open, Transparent
Engagement Process

20_{years}

experience engaging
Canadians,
Indigenous peoples
and **industry**

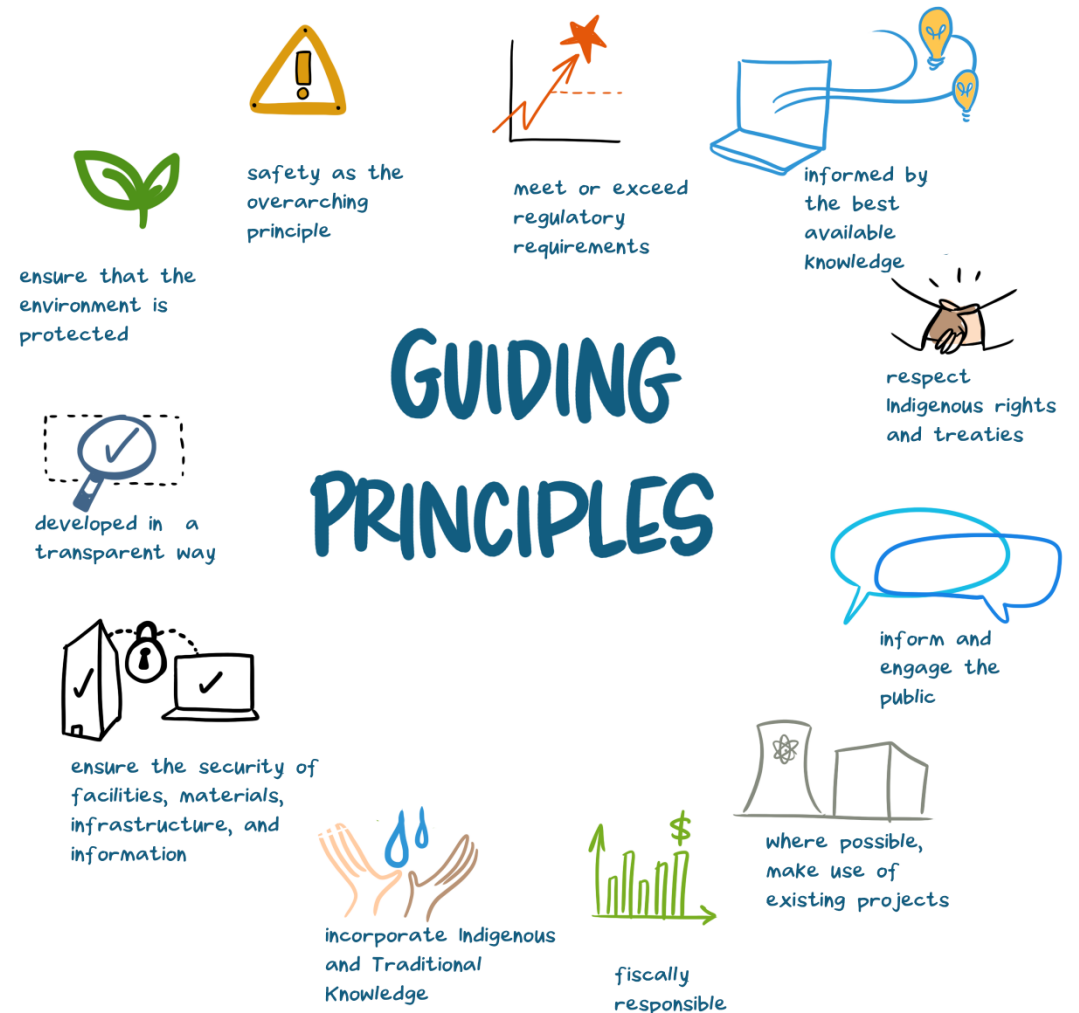
TIMELINE



GUIDING PRINCIPLES

- **safety** as overarching principle
- **security** must be **ensured**
- **environment** is protected
- informed by the **best available knowledge**
- meets or exceeds **regulatory requirements**
- be **transparent** and **inform and engage the public**
- **respect Indigenous rights and treaties**
- **make use of existing projects**
- **fiscally responsible**

CANADIAN RADIOACTIVE WASTE SUMMIT



HOW OTHER COUNTRIES ARE MANAGING THEIR RADIOACTIVE WASTE

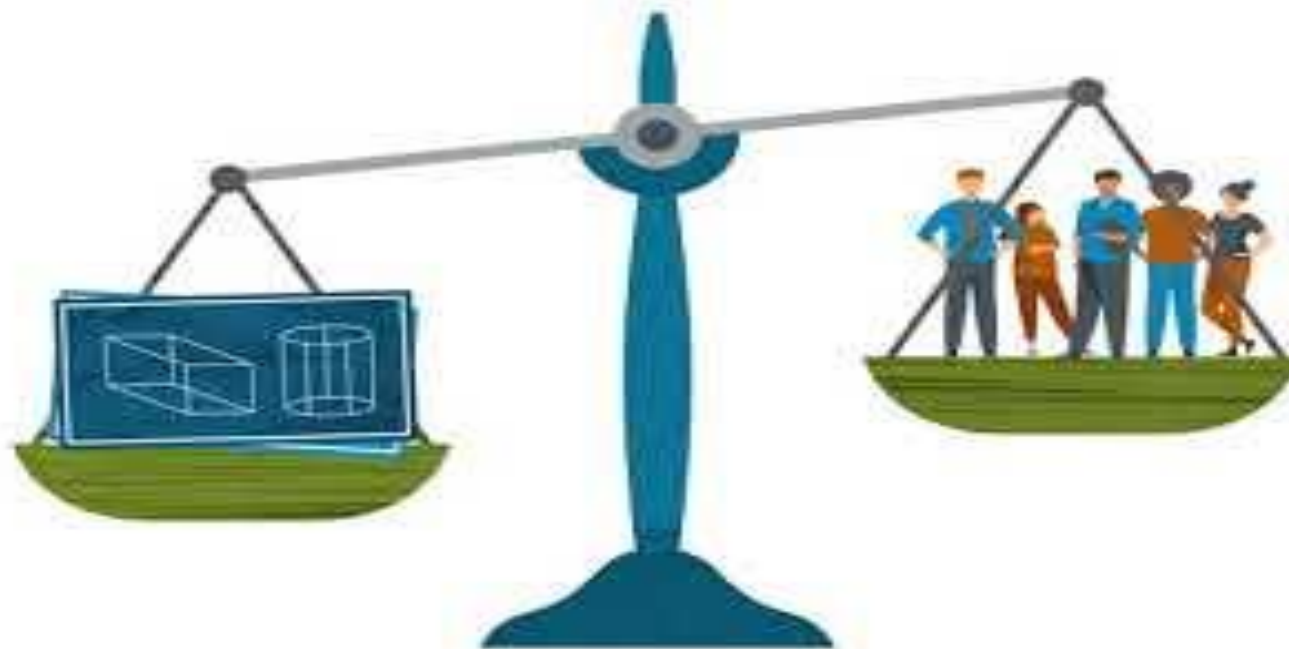




<https://youtu.be/uRnsYeyupjA>

HOW WASTE IS, AND WOULD BE TRANSPORTED





<https://youtu.be/aDg7cPRjhp0>

HOW THE REGULATIONS WORK



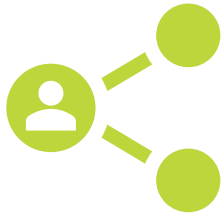


<https://youtu.be/5wJ-kx8Mu9s>



QUESTIONS OF CLARIFICATION

GUIDELINES FOR PRODUCTIVE SESSION



Suspend judgment,
challenge your own
assumptions



Recognize and respect
diverse perspectives



Look for common
ground



Share the air time



Listen to understand

HOW WASTE IS BEING MANAGED NOW, AND HOW IT COULD BE MANAGED OVER THE LONG-TERM





https://youtu.be/Sg_4gYlgJ0w

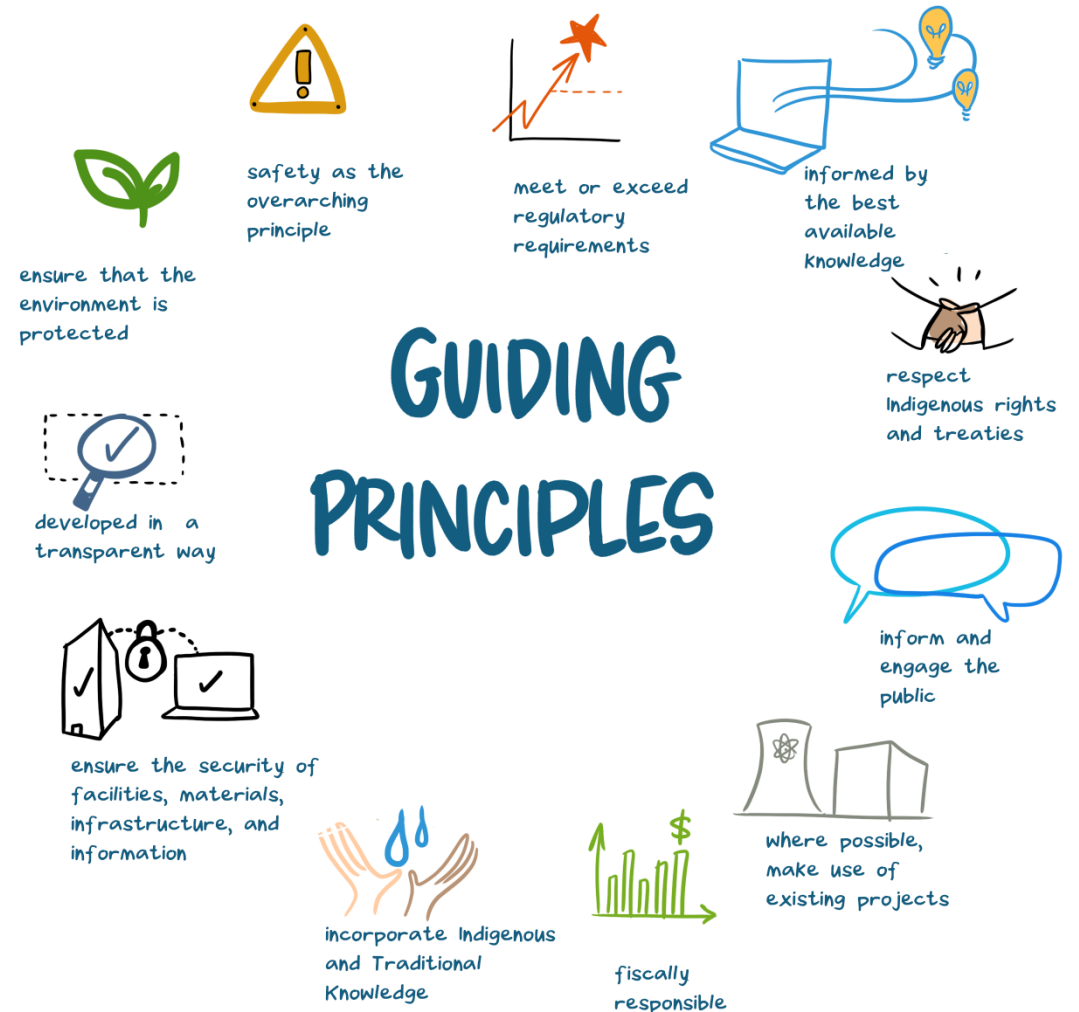


BREAK-OUT DISCUSSION

GUIDING PRINCIPLES

- **safety** as overarching principle
- **security** must be **ensured**
- **environment** is protected
- informed by the **best available knowledge**
- meets or exceeds **regulatory requirements**
- be **transparent** and **inform and engage the public**
- **respect Indigenous rights and treaties**
- **make use of existing projects**
- **fiscally responsible**

CANADIAN RADIOACTIVE WASTE SUMMIT





DISCUSSION

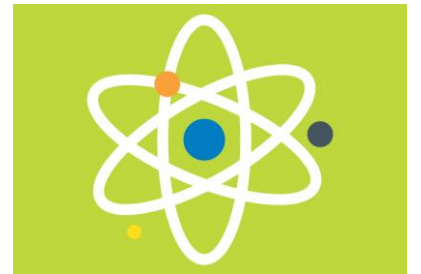
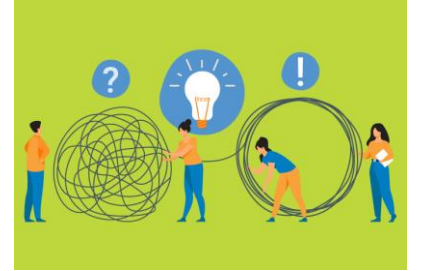
RECAP 1

High level radioactive waste primarily made up of used nuclear fuel - a long-term plan is in place

Uranium mine and mill waste - disposal facilities are in operation at or near the location generated

No gaps exist

Gaps exist for L&ILW waste so let's focus on that

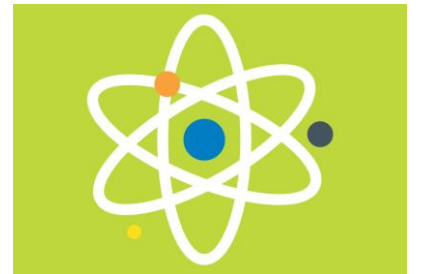
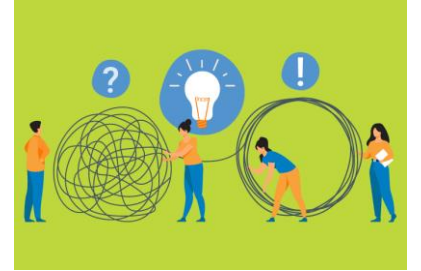


RECAP 2

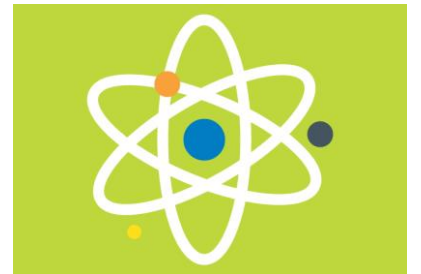
Low-level and intermediate-level radioactive waste:
some long-term planning is underway
but several gaps exist

Intermediate-level waste: no long-term management plans in place for any of Canada's intermediate-level waste

this is also a gap in the system.



How do we best deal with Canada's
Low-Level Waste, and **Intermediate-
Level Waste** over the long-term?





SUMMARY OF DISCUSSION

GET INVOLVED



Register for updates



Tell us what you'd like to discuss




Learn More




Engage with others

www.radwasteplanning.ca

 Log In Français

Search



Help us create a safe, integrated, long-term strategy for radioactive waste in Canada

Share your thoughts on the best options to ensure all of Canada's radioactive waste is managed safely, responsibly, and effectively long after we're gone

Canada is safely managing its radioactive waste today and already has several long-term plans and projects in place. However, there are some gaps in addressing certain streams, specifically low-level and intermediate-level radioactive waste, that need an integrated, long-term strategy. The Nuclear Waste Management Organization (NWMO) has been asked by the Minister of Natural Resources Canada to lead the development of this strategy by engaging with Canadians and Indigenous peoples.


We are planning a series of interactive, accessible and collaborative engagements that welcome a diversity of voices. Your thoughts and perspective play an important role in identifying the best approach to ensure all of Canada's radioactive waste is managed safely, responsibly and effectively long after we're gone.

Join us as we explore what's most important to Canadians and Indigenous peoples on this topic and help us shape Canada's strategy.


Stay Informed
Follow us on Twitter: @RadWastePlan

[Register to receive news and invitations](#)


Current participation opportunities



What would you like to discuss?
To help inform our engagement plans, please tell us what you would like to discuss



Learn More
Frequently asked questions and answers



Canadian Radioactive Waste Summit
Register to stay informed about this event

nwmo
NUCLEAR WASTE MANAGEMENT ORGANIZATION / SOCIÉTÉ DE GESTION DES DÉCHETS NUCLÉAIRES

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