

NUCLEAR WASTE SOCIÉTÉ DE GESTION MANAGEMENT DES DÉCHETS ORGANIZATION NUCLÉAIRES

Used nuclear fuel transportation: The next steps

FONOM Conference

May 5th - 7th, 2025

Ulf Stahmer

Introducing the NWMO



Our mandate is to develop and implement collaboratively with Canadians, a management approach for the long-term care of Canada's used nuclear fuel that is socially acceptable, technically sound, environmentally responsible, and economically feasible.







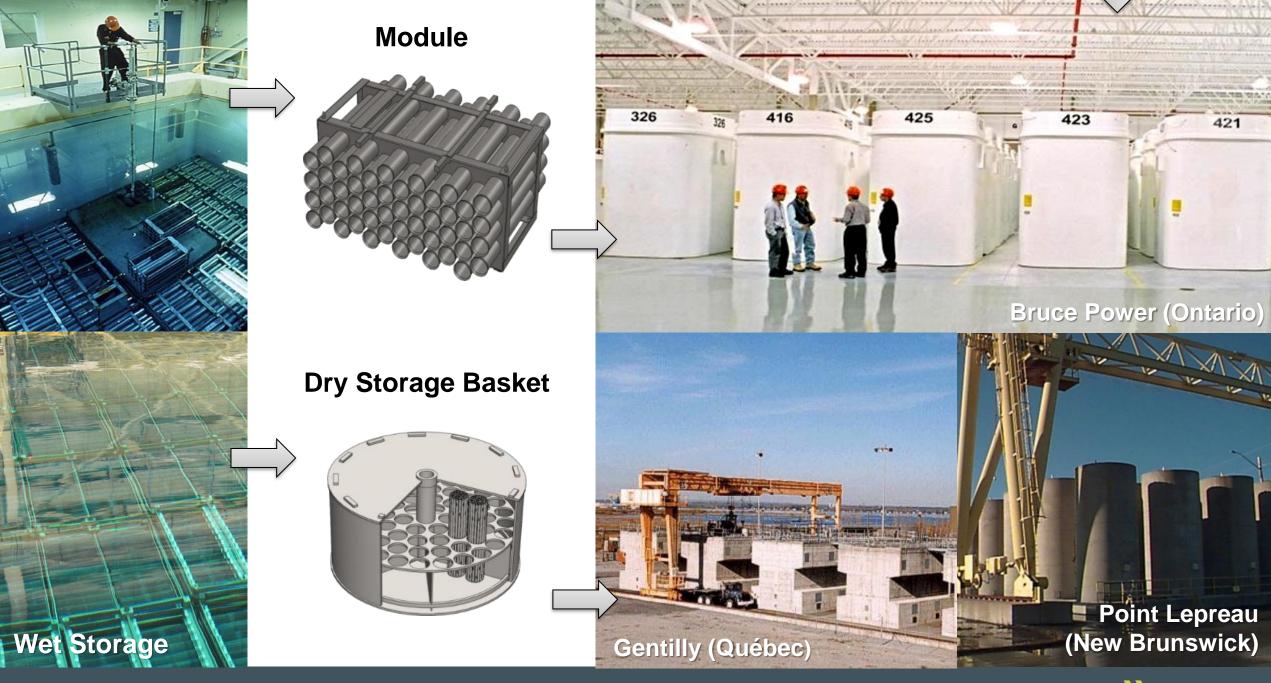


What is used nuclear fuel?





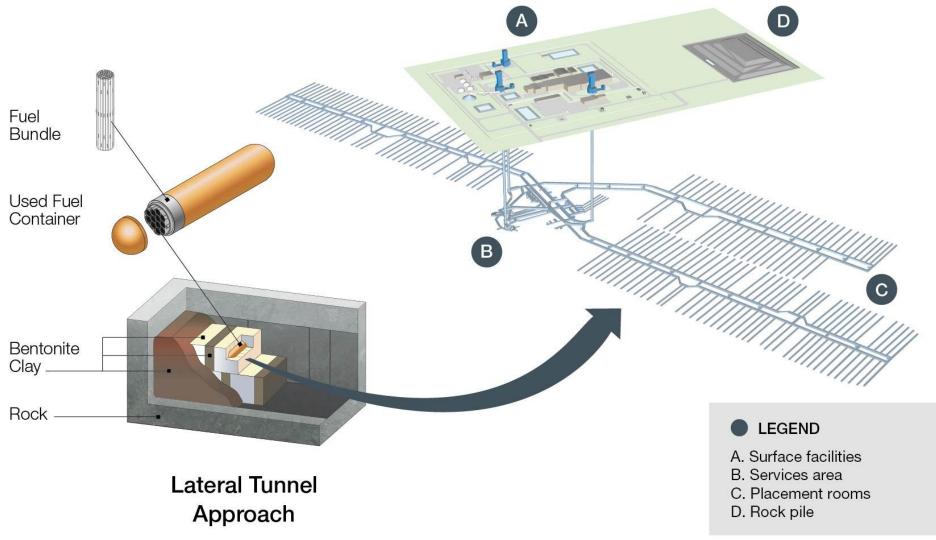




5

>> nwmo

Long-term management







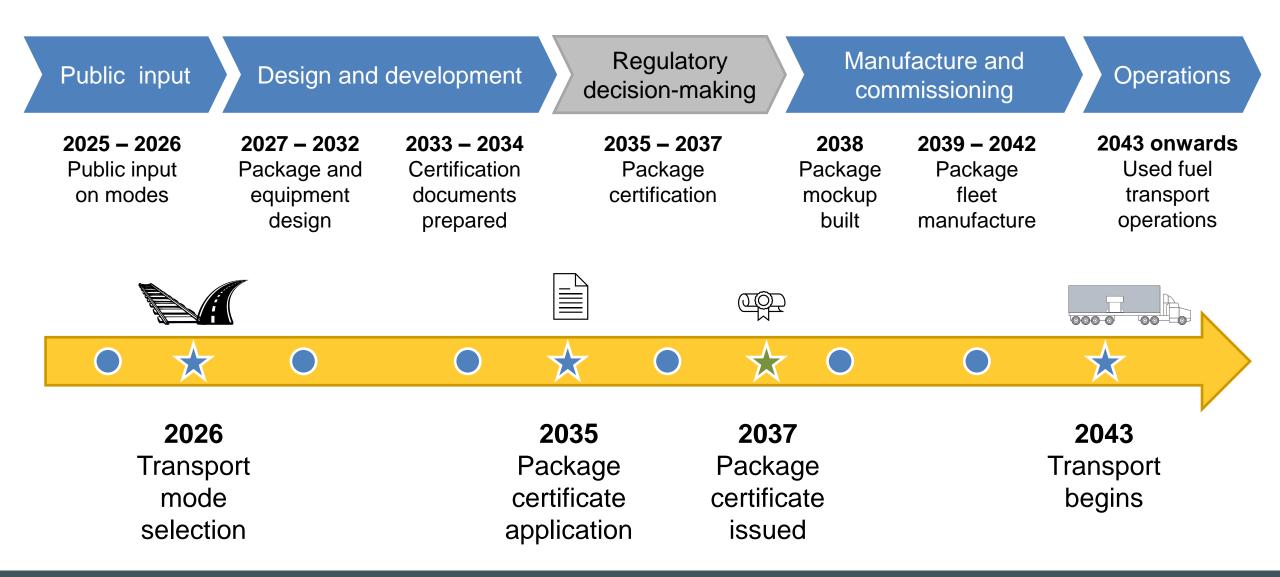
Transportation is safe and secure



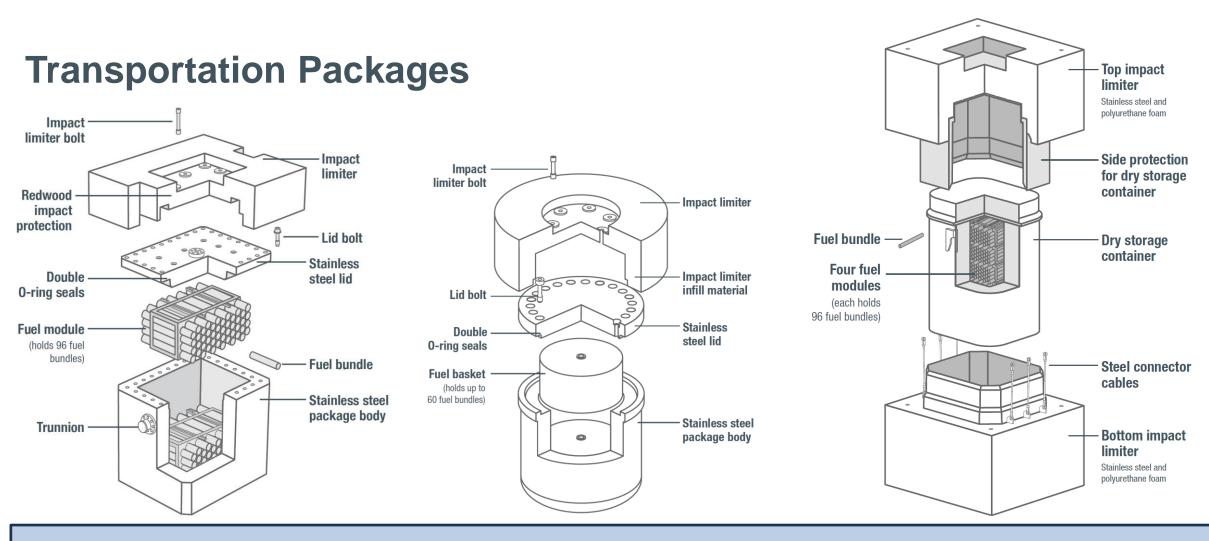




Roadmap to transport operations



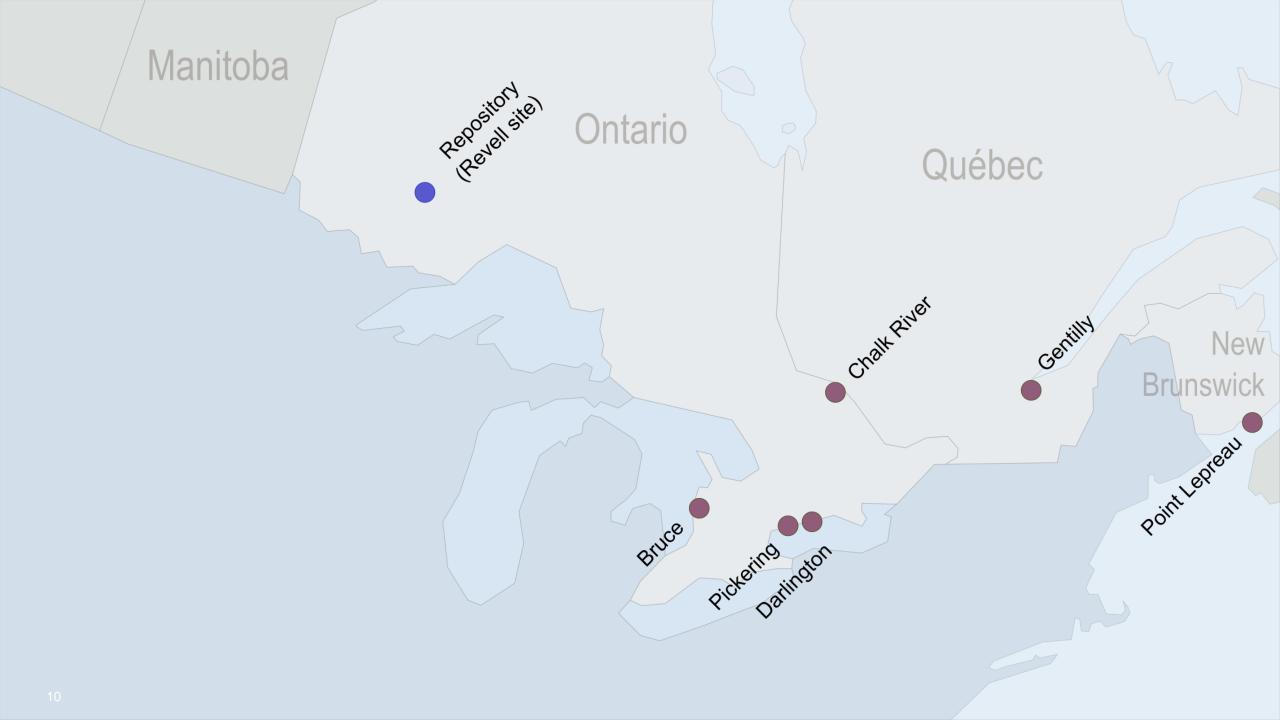


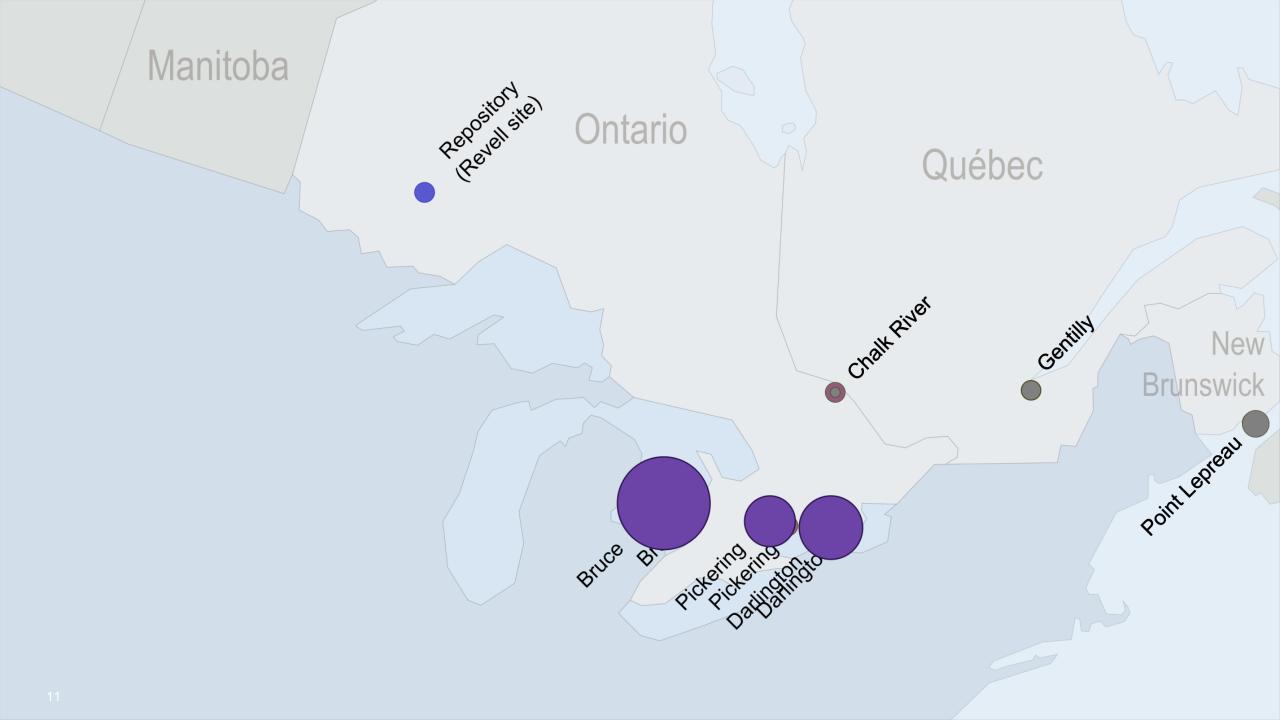


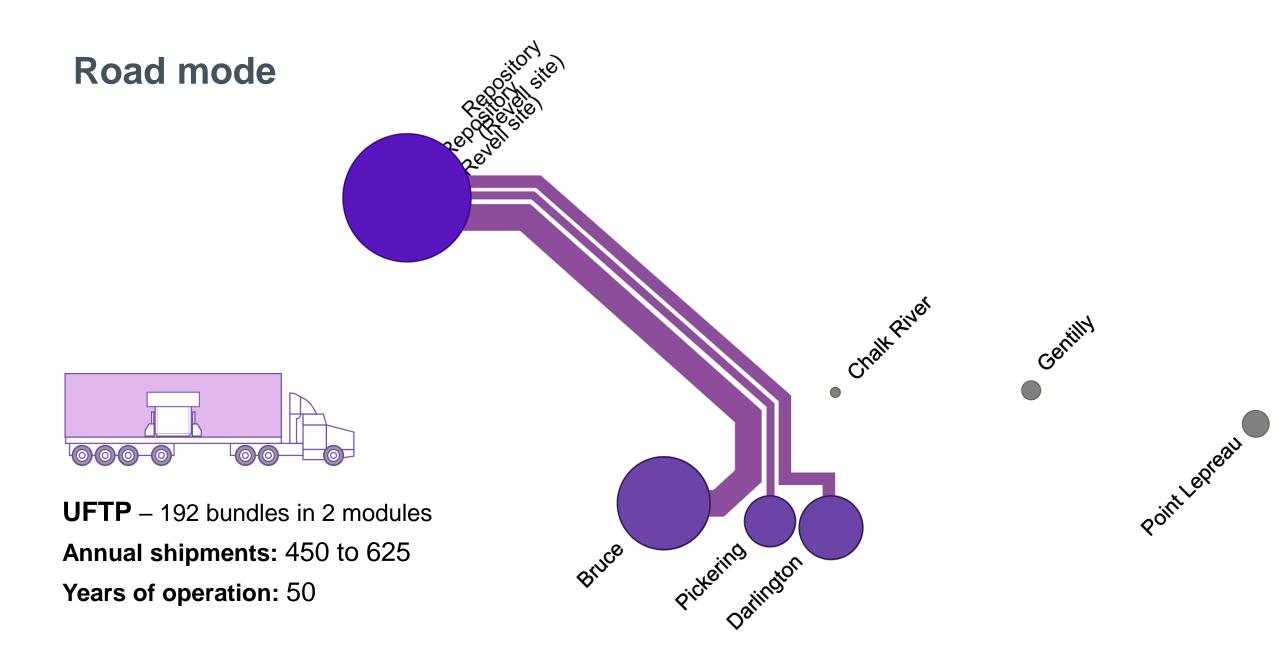
UFTP 192 bundles (2 modules)
Weight 35 tonnes loaded
Truck legal weight & size
Cert. CDN/2052/B(U)

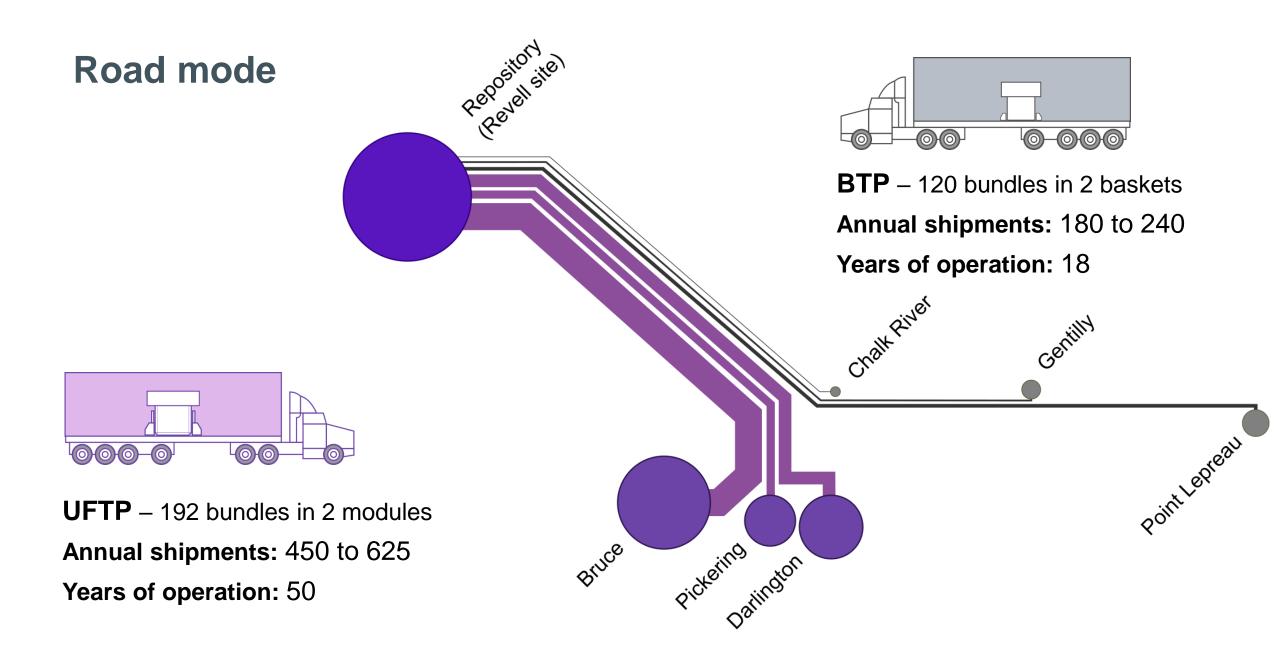
BTP 120 bundles (2 baskets)
Weight 28 tonnes loaded
Truck legal weight & size
Cert. Not yet certified

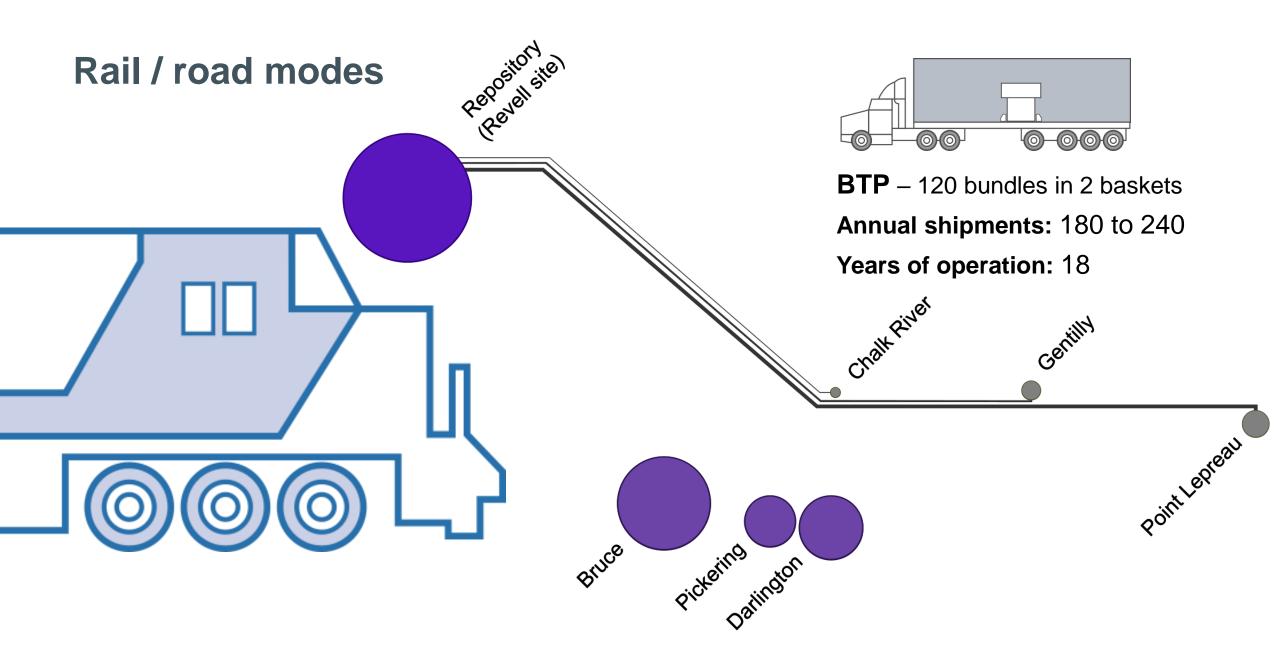
DSC-TP 384 bundles (4 modules)
Weight 100 tonnes loaded
Truck superload
Cert. CDN/2054/B(U)

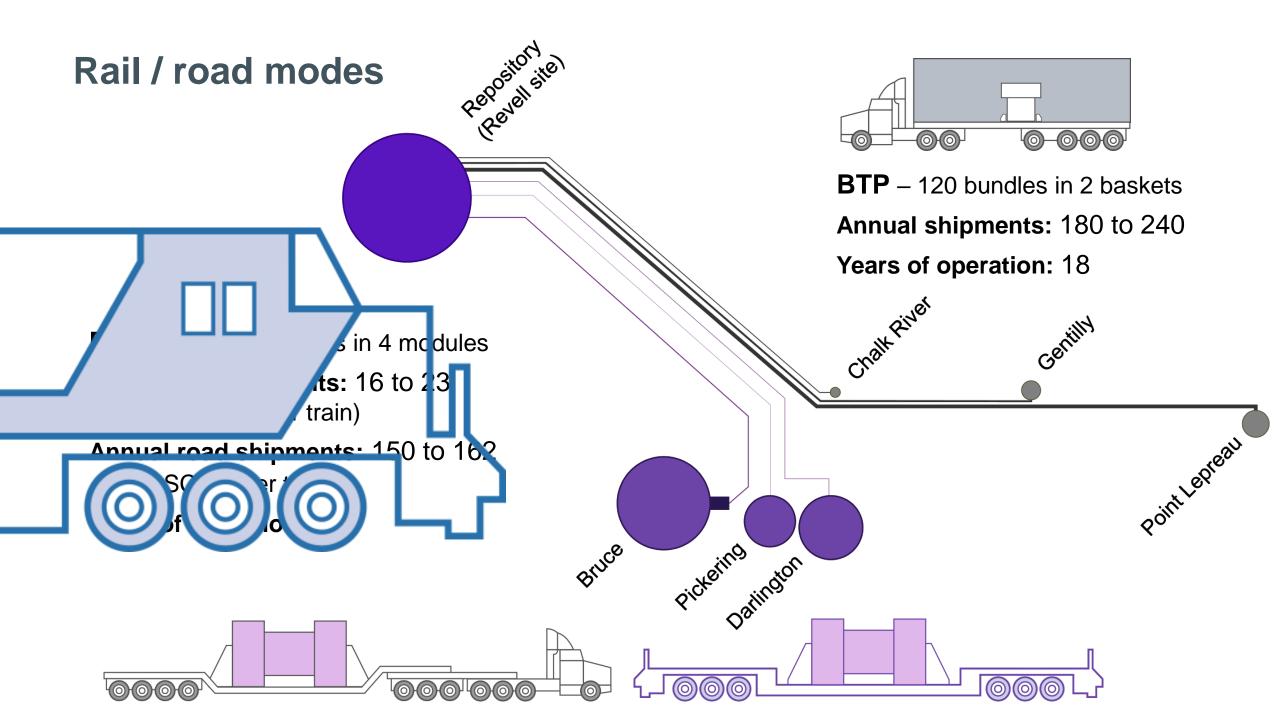




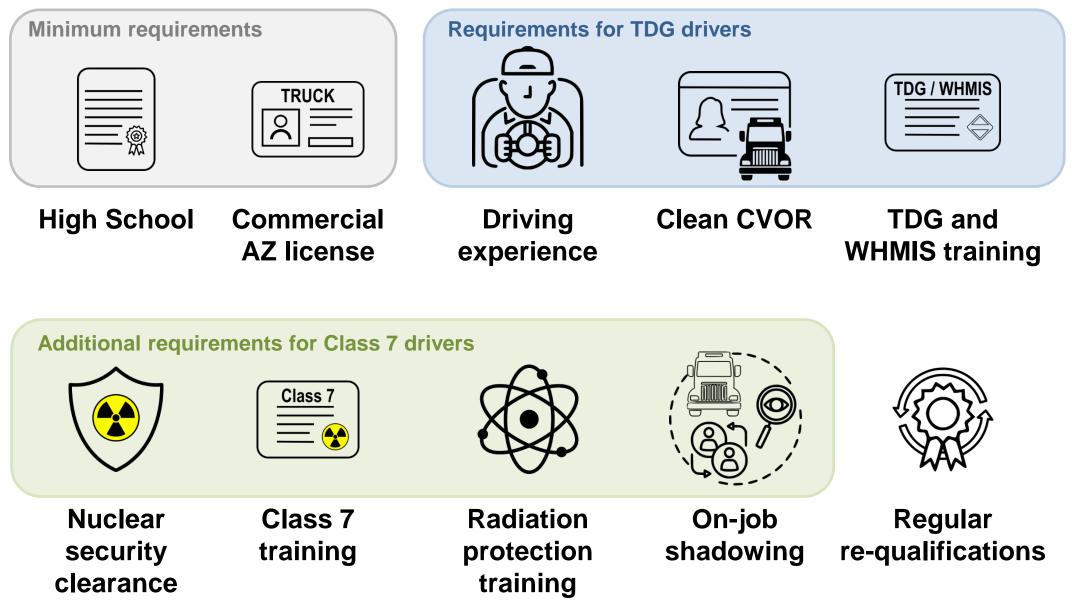








Driver qualifications





Readiness checklist

Site-specific preliminary transportation plan

Ongoing engagement and dialog with First Nations and Métis

Broad-based awareness and education program

Questions answered and responses broadly shared

First responder awareness program initiated

Certified transportation package designs

Potential accident scenarios identified and analyzed

Readiness checklist (continued)



Identification and incorporation of operational experience and industry best practices

Program for hiring high-quality and well-trained workers

Procedures for safe and secure operations

Transport safety and environmental management plans

Transportation security and emergency response plans

Regular reviews of plans

Safety and security audit program

Questions?

1156

5

nwmo



Thank you.

f 🕜 🗹 @nwmocanada / @LaSGDN





