



## **Supplementary Information**

### **Presentation from the Canadian Nuclear Laboratories Ltd.**

In the Matter of the

#### **Canadian Nuclear Laboratories Ltd.**

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Application for the renewal of the nuclear  
research and test establishment  
decommissioning licence for the Whiteshell  
Laboratories site

**Commission Public Hearing**

**October 23, 2024**

## **Renseignements supplémentaires**

### **Présentation des Laboratoires Nucléaires Canadiens Ltée**

À l'égard des

#### **Laboratoires Nucléaires Canadiens Ltée**

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Demande visant le renouvellement du permis de  
déclassement d'un établissement de recherche  
et d'essais nucléaires pour le site des  
Laboratoires de Whiteshell

**Audience publique de la Commission**

**23 octobre 2024**



Canadian Nuclear  
Laboratories | Laboratoires Nucléaires  
Canadiens

# Whiteshell Laboratories Site Licence Renewal

October 23, 2024 | Commission Hearing | CMD 24-H7.1A

WL-508760-001-000





# We would like to acknowledge

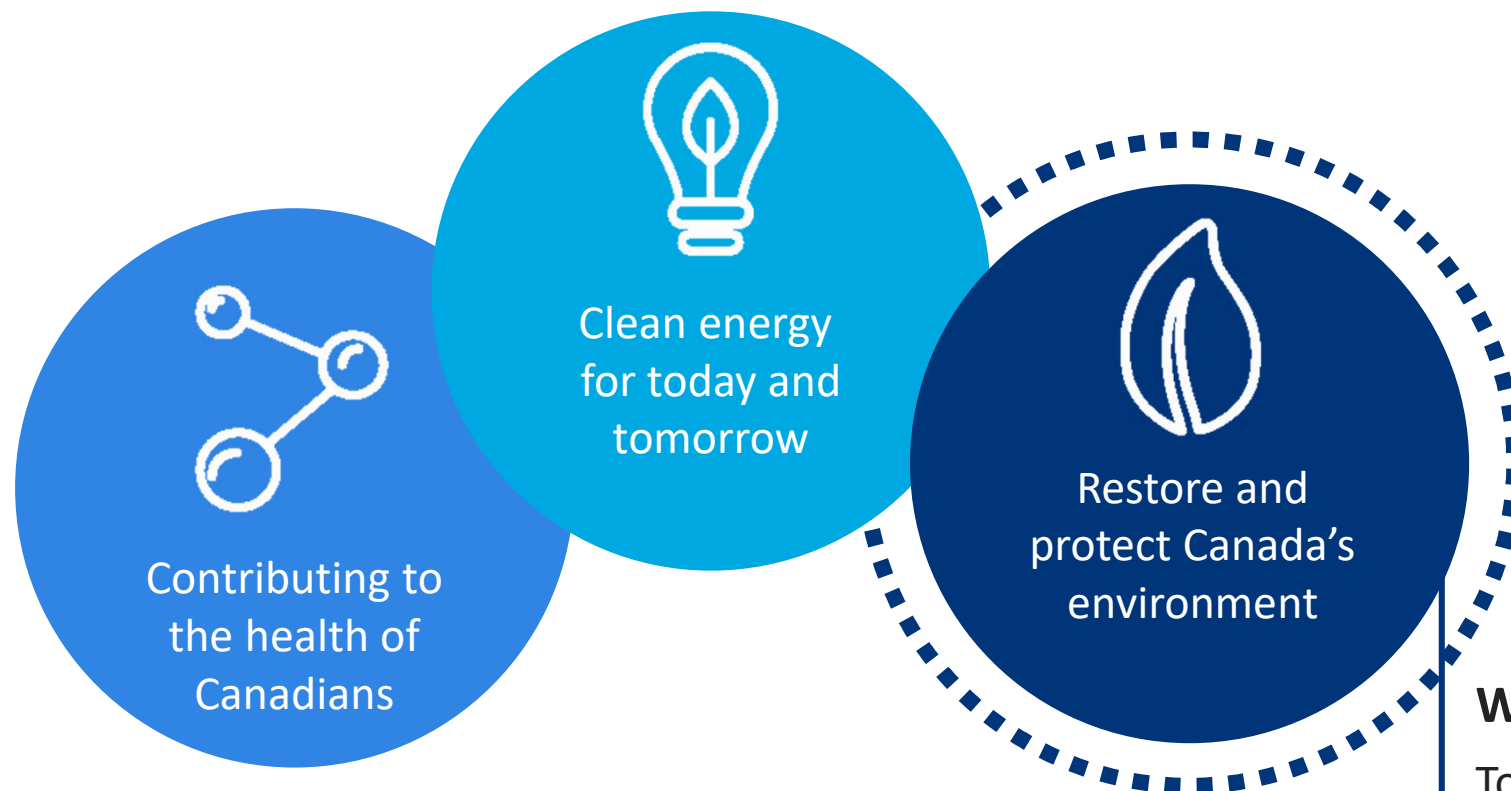


Whiteshell Laboratories is situated on the traditional lands of Treaties 1 and 3, the lands of the Anicinabe, Ojibway Anishinaabe and the Homeland of the Red River Métis. CNL also acknowledges the proximity of Treaty 5 lands to the site.

The area in which we are situated is also home to Indigenous Peoples from across the region and Canada. Canadian Nuclear Laboratories is grateful to have the opportunity to work on these traditionally and culturally significant lands and waterways.

We acknowledge that this site was established without consultation with the Indigenous Peoples of this area.

# Strategic Priorities



## Whiteshell Mission

To safely and efficiently decommission the Whiteshell Laboratories site using sound environmental and waste management practices while optimizing value for Canadians.





# Organizational Structure



President & CEO  
Jack Craig



Vice President, Environmental  
Remediation Management  
Monica Steedman



Vice President, HSSE,  
Ken Whitham



Vice President, Central  
Technical Authority & Chief  
Nuclear Officer  
Andrew Tisler



Vice President, Corporate  
Affairs, Lou Riccoboni



GM & WL Site Licence  
Holder, Brian Wilcox







WL General Manager,  
Mark Blair







# Overview







## Background

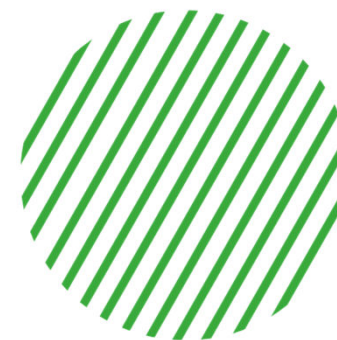
-  Licensing Timelines
-  History of Whiteshell
-  Site Overview
-  Organizational Structure

## Previous Licence Period

-  Engagement
-  Environmental Performance
-  Project Progress
-  Taking Accountability

## Path Forward

-  Focused on the Future
-  Planned Work
-  Our Commitments
-  Conclusion





- Established by AECL in early 1960s
- Whiteshell Reactor-1 (WR-1)
- Hot cells to support research
- Concrete canister development
- Research into deep geological disposal for spent fuel
- Reactor safety program
- SLOWPOKE Demonstration Reactor



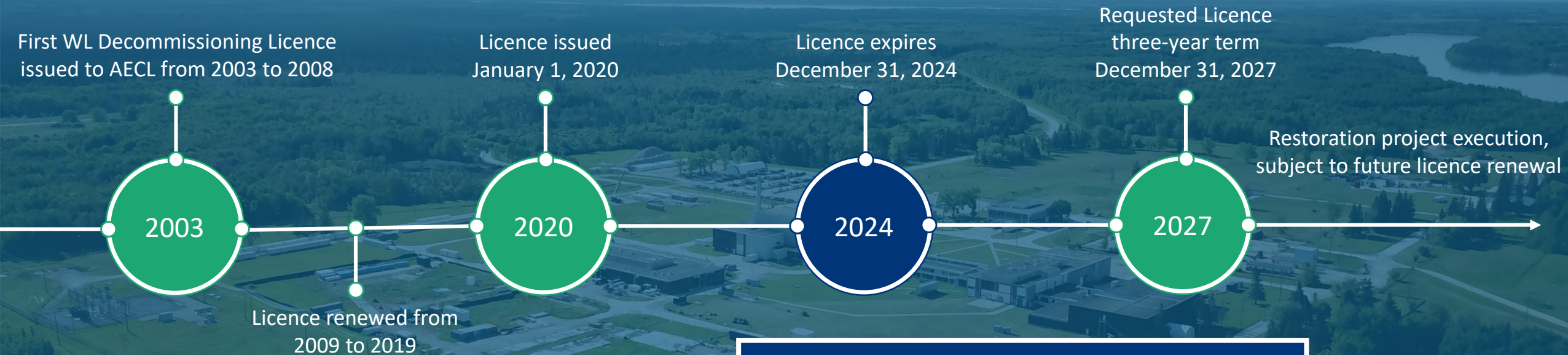
## Whiteshell History







# CNL is requesting a three-year renewal of the Whiteshell Laboratories Decommissioning Licence



During the requested licence period, we will:

- Rebuild trust
- Demonstrate sustained compliance
- Ensure enduring mission



# Whiteshell Laboratories Site

- 4,375 hectares (ha) site
- Includes lands on the east and west sides of the Winnipeg River
- Most of the buildings are within 40 ha footprint on the east side of the River
- ~100 km northeast of Winnipeg, Manitoba
- ~10 km west of Pinawa, Manitoba and north of Highway 211



# Video

<https://youtu.be/zpWx2HWPo34>



# Indigenous Engagement



B100 Bat Survey



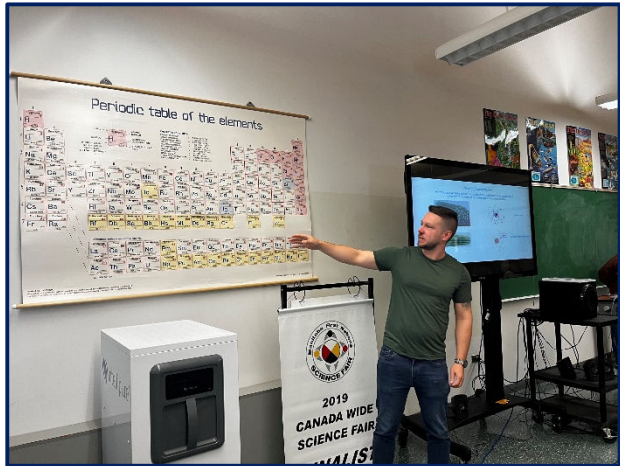
Niigan Aki Lunch and Learn



Milkweed Walkdown



Sagkeeng First Nation  
Treaty Days



WL-508760-001-000 Sagkeeng School Visit



Black River First Nation  
Tree Planting



Mushroom Sampling





# Building Relationships



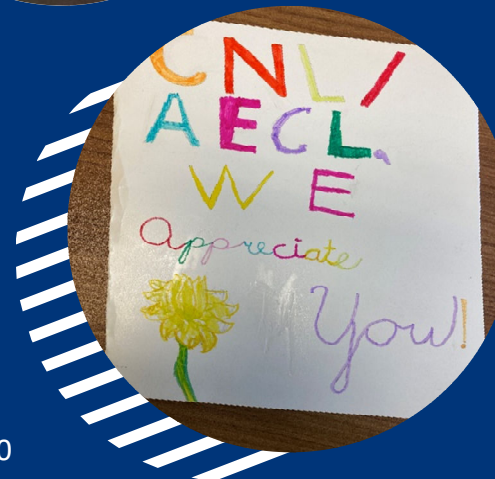


# Public Engagement

- 14+ presentations to local elected officials
- Six public site tours
- 300+ visitors to the Virtual Visitor Centre
- Four technical Breakfast Sessions
- 15 public webinars
- Four newsletters to 7,500+ homes
- Alumni event
- Updated web page content
- Email blasts
- Advertising
- Media interviews
- Social media



Canadian Nuclear Laboratories uses a variety of methods to engage the public





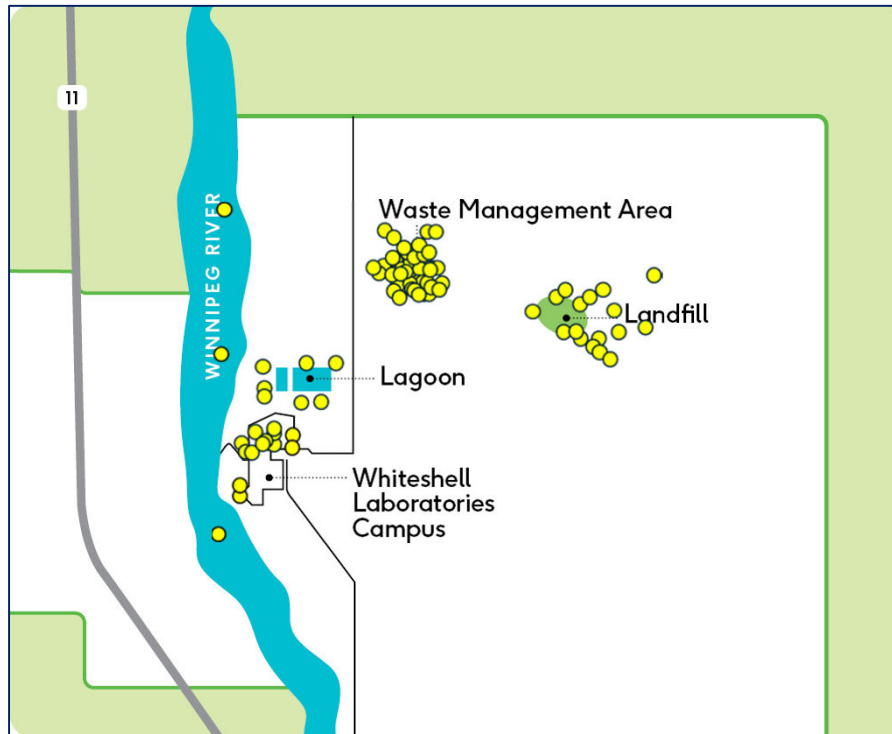
# Regional Gatherings













# Environmental Monitoring



-  Fish collection
-  Mushroom collection
-  Blueberry collection
-  Common areas of wildlife collection
-  Drinking water collection
-  General areas of sample collection





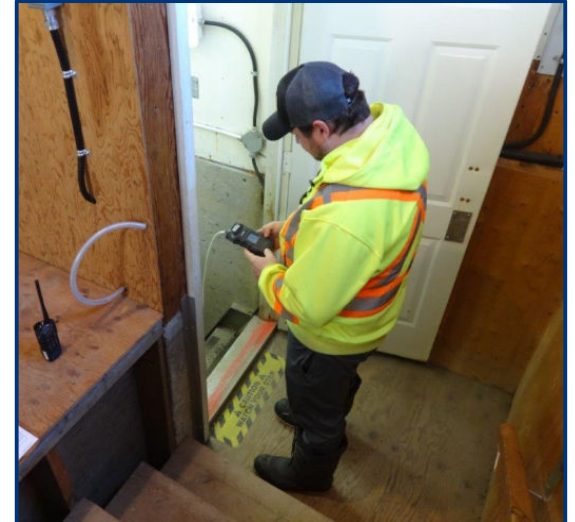
# Environmental Performance



Well Sampling on WL site



Greenhouse Gas Investigation Study



Air Monitoring



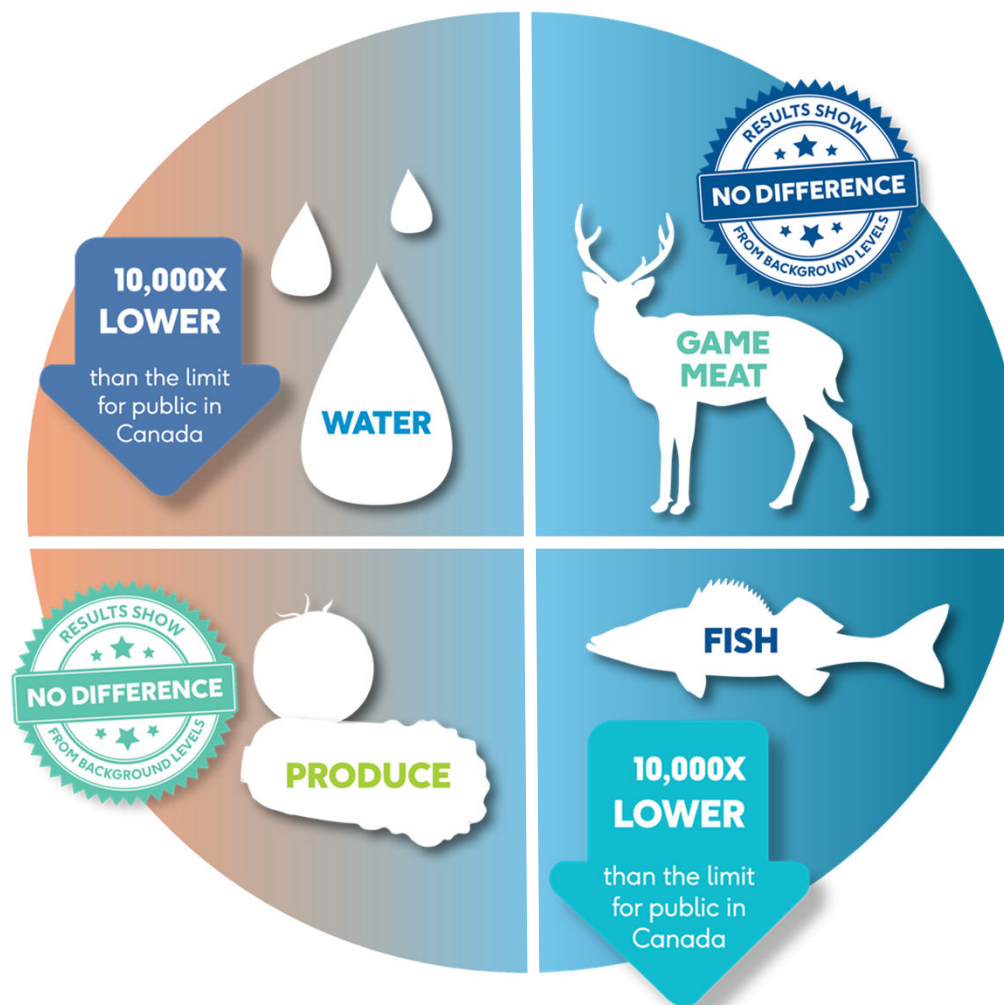
Winnipeg River Sampling



Water Samples from Ditch



# Protecting People and the Environment





# Project Progress (2020-2024)



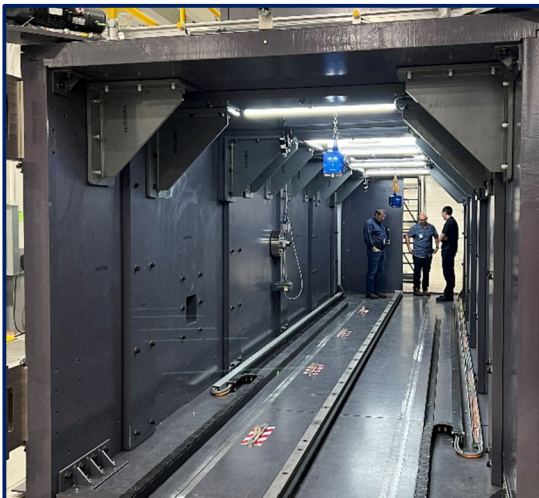
Active Liquid Waste Treatment  
Centre fully demolished



Non-Nuclear Facilities demolished



Waste Retrieval Mock-up



Converting waste storage facility  
WL-508760-001-000 to Cask Loading Facility



Waste packaging for transport



Hazard Reduction



# Accountability and Sustainability

- Identifying and proactively initiating necessary work pauses to improve how we operate
- Digging deep into the issues and implementing strategies that are now proving sustained improvements in our safety culture
- Strengthening training to ensure the highest standards are embedded throughout the organization
- Rebuilding our Fire Protection Program to the point where it's now best in class
- Renewing our focus and zeroing in on safety and compliance

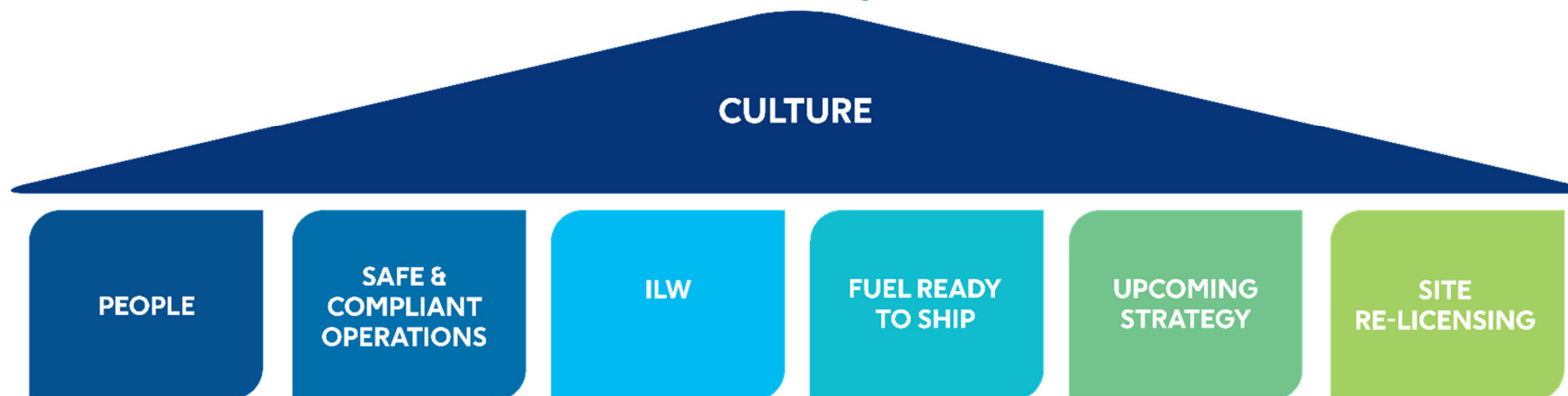






# Focussed on the Future

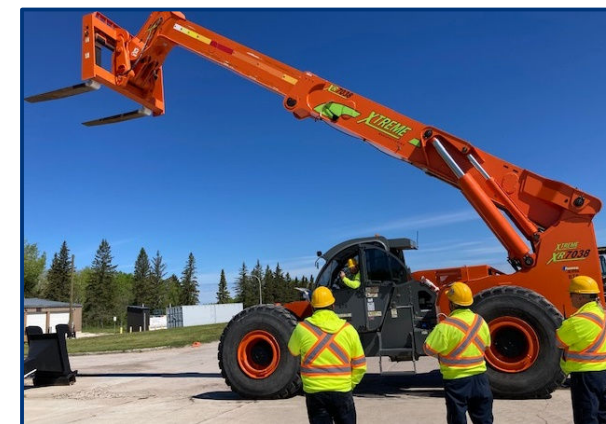
## Re-Mobilize, Re-Energize, Re-Licence



Fire Department Training



Safety Culture Training



Heavy Equipment Operator Training



## Planned Work (2025-2027)

- Continued progress on the Whiteshell Laboratories Restoration Project
- Implementing CNL's Integrated Waste Strategy including waste consolidation
- Performing necessary maintenance to site facilities and infrastructure
- Indigenous and public engagement to determine path forward for the Land Use Strategy
- Ongoing support for Indigenous Nations in Whiteshell's environmental monitoring







# Our Commitments

- **Continue** commitment to truth and reconciliation with Indigenous Nations
- **Progress** Whiteshell projects safely and compliantly
- **Maintain** solid management system to ensure compliance with regulatory and industry best practices
- **Manage** health and safety obligations and work on building a culture of excellence in safety
- **Seek** community input on our near and long-term plans for the Whiteshell site
- **Work** towards a cleaner environment - restoring land for future generations





Canadian Nuclear Laboratories | Laboratoires Nucléaires Canadiens

UNRESTRICTED / ILLIMITÉE



# Meegwetch, Maarsii, Merci, Thank you



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