

Cluff Lake Project Path to Institutional Control

Pacific Northwest Economic Region
Summit 2019

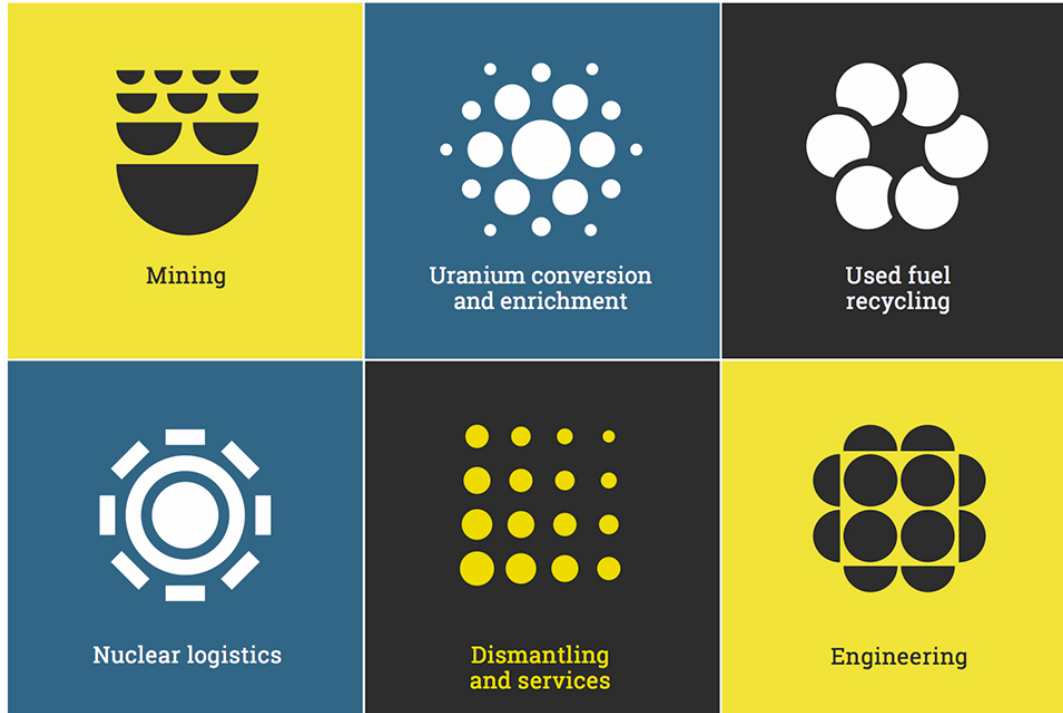
Dale Huffman – July 23, 2019



orano

Orano

a nuclear fuel cycle business

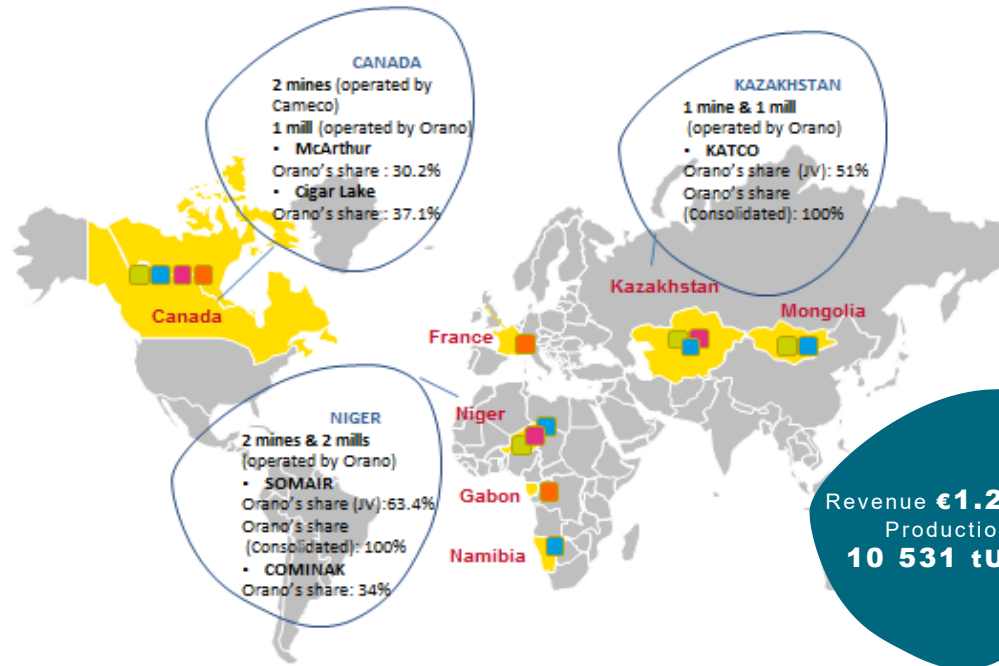


- **Products and services with high added value throughout the entire nuclear fuel cycle, from raw materials to waste treatment.**
- **16,000 employees worldwide**
- **Unwavering dedication to safety**
- **HQ: Paris, France**

Orano Mining Business Unit

a rich and diversified portfolio of assets and projects

A diversified and competitive mining asset portfolio



Significant development potential



A promising portfolio projects geographically diversified (Canada, Kazakhstan, Mongolia...)

Revenue €1,294
 Production
 10 531 tU ⁽¹⁾

15%
 of the
 global market

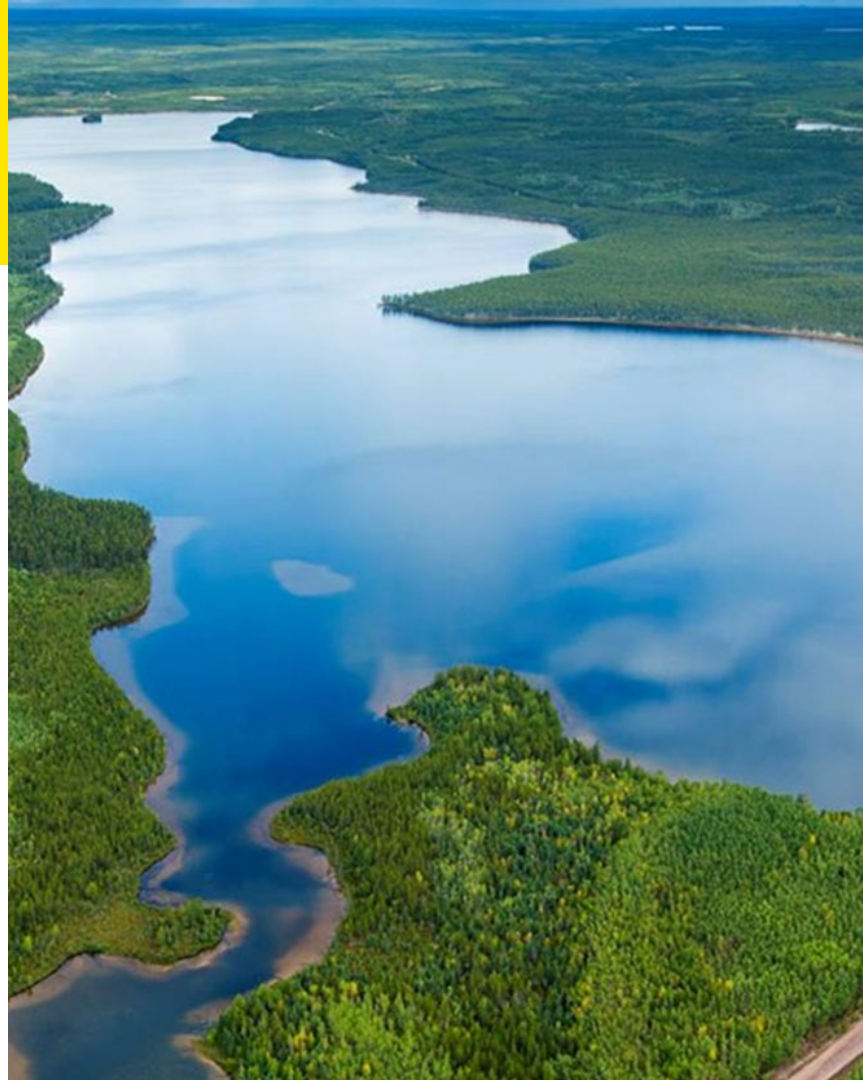


■ Exploration
 ■ Projet
 ■ Exploitation
 ■ Réaménagement

⁽¹⁾ – Financially consolidated Orano's share to which should be added 453 tons of Uranium corresponding to Orano's share in Cominak

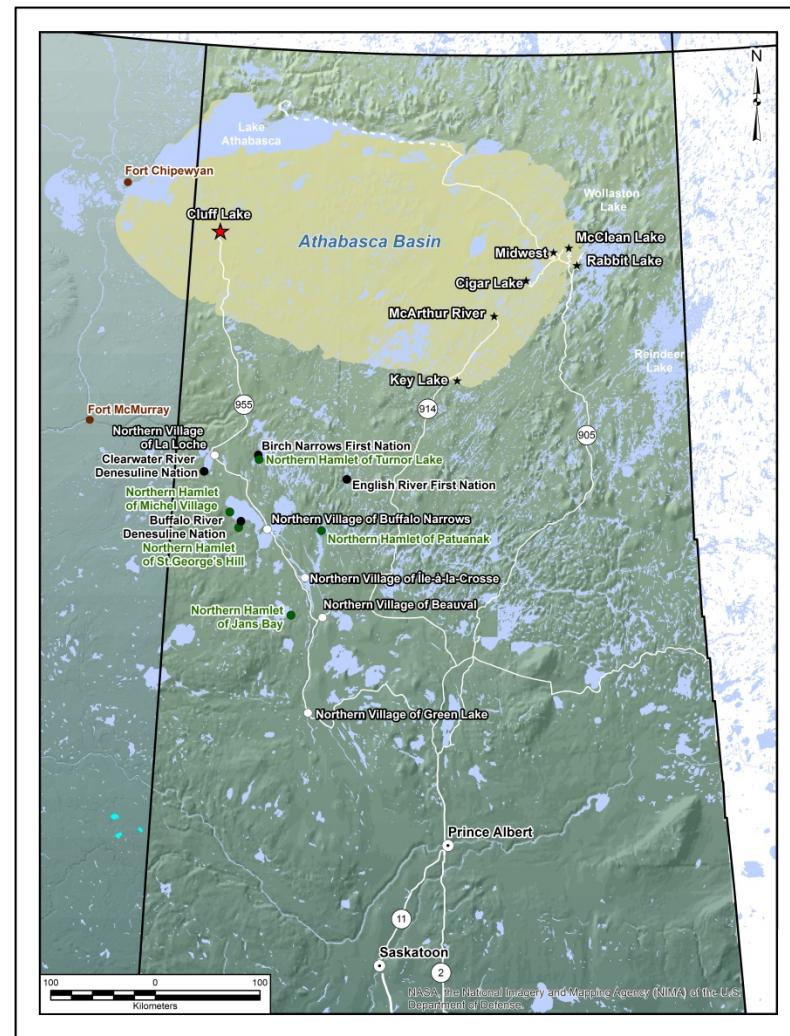
Orano Canada

- A leader in uranium exploration and uranium processing
- Present in northern Saskatchewan for 55 years
- Total number of employees about 400
- Operators of the McClean Lake Uranium mill
- About 50% of the McClean Lake workforce are indigenous



Project Location

- Northwestern Saskatchewan within Treaty 8 Territory and the Homeland of the Metis
- Site is remote - 800 km from Saskatoon, 250 km by road La Loche, 100 km from Fort Chipewyan
- future users of the site are traditional land users and resource development



Operations Overview

- Discovered in mid '60's
- Operated from 1980 - 2002
- Underground and open pit mining (5 ore bodies) and milling produced 62M lbs. (or 28M kg) uranium concentrate (U_3O_8) and 8,000 troy ounces of gold
- ~4,000 person years of company staff employment; 52% northern
- Nearby lands used for traditional purposes throughout operations





End state Objectives

- **Safe environment**
- **Minimize adverse effects**
- **Stable and self-sustaining landscape**
- **Traditional uses unrestricted**
- **Minimal future land use constraints**



Mill Complex Area



DJ Mining Area



Claude Mining Area



D Mining Area



Tailings Management Area



Current Site Status

- **Decommissioning is complete and objectives are met**
- **Physically and chemically stable under passive care**
- **Unrestricted access**
- **Public safety at site is comparable to other wilderness areas**
- **Site is available and safe for traditional land use**
- **250 ha of the 4100 ha of land leased will require administrative controls**



Next Steps: Institutional Control

- Application for Release from Decommissioning and Reclamation
- Propose Long-Term Monitoring and Maintenance Plan
- Revoke federal Nuclear Safety Commission licence
- Fund for:
 - **Monitoring and Maintenance**
 - **Unforeseen Events**



End Users



Conclusions

- **Environmental assessment used as a planning tool for resource development**
- **Early planning required for decommissioning**
- **Financial assurance protects taxpayers from abandonment**
- **Institutional control program provides for project closure, long-term care and maintenance, and funding**



● Thank You!

- Check us out on social media



This presentation is the property of Orano Canada Inc.

The reproduction in whole or in part of this presentation requires prior consent of Orano Canada Inc. and must include the following mention:

Source: Orano Canada Inc. – www.oranocanada.ca

