



## **Supplementary Information**

## **Renseignements supplémentaires**

### **Presentation from Northwatch**

### **Présentation de Northwatch**

In the Matter of

À l'égard de

**Saskatchewan Research Council,  
SLOWPOKE-2 Reactor**

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**Saskatchewan Research Council  
Installation nucléaire SLOWPOKE-2**

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Request by the Saskatchewan Research Council to authorize the decommissioning of the SLOWPOKE-2 reactor

Demande du Saskatchewan Research Council afin d'autoriser le déclassement du réacteur SLOWPOKE-2

**Commission Public Hearing**

**Audience publique de la Commission**

**September 26, 2019**

**Le 26 septembre 2019**

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# Application from the Saskatchewan Research Council (SRC) to amend its Non-Power Reactor Operating Licence for its SLOWPOKE-2 reactor and associated facilities

Presentation by Northwatch  
19-H100.6  
September 26, 2019



# THE PROJECT

FIGURE 2-7: SASKATCHEWAN RESEARCH COUNCIL SLOWPOKE-2 FACILITY



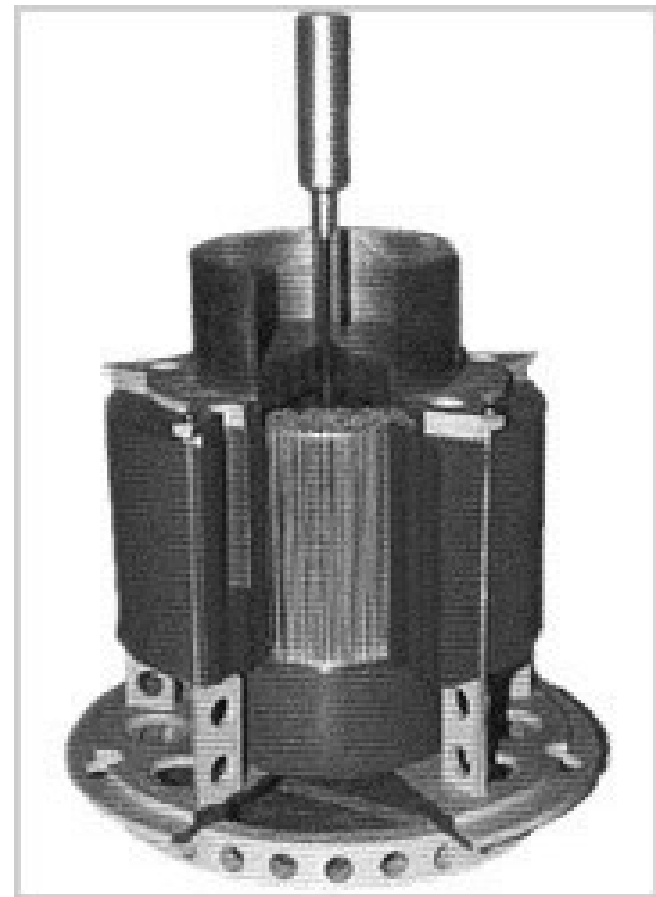
# NORTHWATCH'S INTERESTS

- Transport of Radioactive Wastes Through Northern Ontario
- Transfer of High Level Radioactive Wastes to the U.S.
- Setting of Precedents



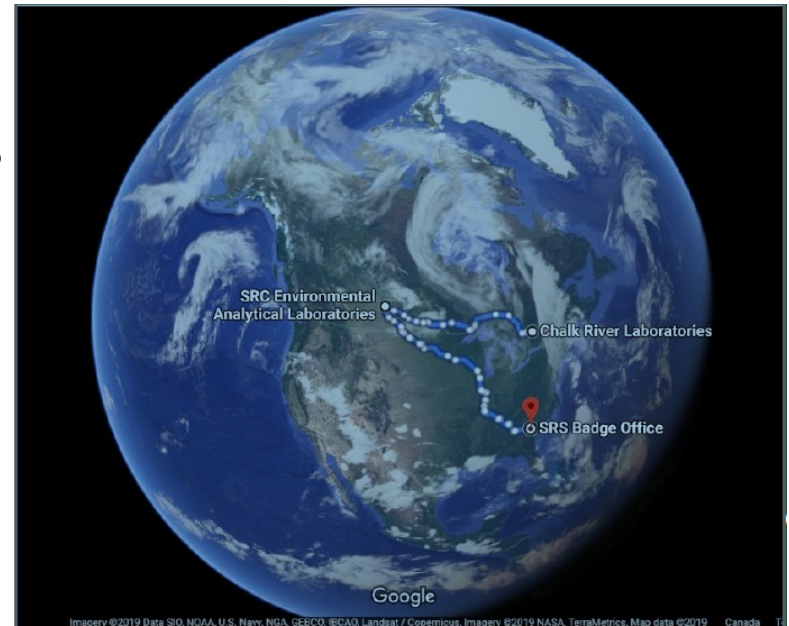
# RADIOACTIVE WASTE MANAGEMENT

- Information Deficiencies
- In Situ Waste Disposal



# RADIOACTIVE WASTE TRANSPORT

- Required Information
- Availability of Information
- Dose Estimates
- Transportation Licensing
- First Responders and Radiological Emergencies



“The only substantive impact on the environment would be in the event of accidental release of radioactive material during transportation.””

**Executive summary**



ENVIRONMENTAL IMPACT STATEMENT  
SASKATCHEWAN RESEARCH COUNCIL SLOWPOKE-2 REACTOR  
DECOMMISSIONING  
SASKATOON, SASKATCHEWAN

Report Prepared for:  
CANDU ENERGY INC, MEMBER OF SNC- LAVALIN GROUP

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Guelph, Ontario

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# ADDITIONAL ISSUES

- End state objectives
- Planned Local Radiological Releases
- Unplanned Releases
- Process Concerns
- Public Process
- Decommissioning Decision Scope and Sequence
- Engagement with the City of Saskatoon
- Duty to Consult

# CONCLUSIONS

- REQUEST: SRC or their contractor SNC-Lavalin be required to fill all information gaps prior to the hold point requested in the next sub-section.
- REQUEST: Create a hold point through license conditions which require a public review of the radiological survey results of the reactor pool floor and wall, and a decision by a multi-member panel of the Commission to determine whether the clearance conditions have been met and the reactor pool can be filled.

# CONCLUSIONS

- REQUEST: require an augmented sampling of the reactor pool floor and walls to provide adequate information to support a determination as to whether clearance levels have been met.
- REQUEST: That the Commission require SRC to meet the information requirements related to transportation risk prior to giving further consideration to the SRC application.

# CONCLUSIONS

- **REQUEST:** that in its Decision the Commission clarify and confirm that decommissioning activities such as removal and shipping of reactor fuel waste are to be undertaken only under a decommissioning license, not under an reactor operating license.
- **REQUEST:** that in its Decision the Commission clarify and confirm that a separate license for the transport of the spent fuel will be subject to a separate licence will be the subject of a public notice, opportunity to comment, and a public hearing including oral submissions, and that the Commission will conduct the hearing.

# CONCLUSIONS

- **REQUEST:** That in considering the application for a transportation license, the Commission ensure that there is a public hearing with notice and opportunity for interested parties along transportation routes to contribute, including and particularly First Responders.
- **REQUEST:** that future proceedings related to the decommissioning and abandonment of SLOWPOKE-2 reactors be conducted as public hearings, with adequate notice and the opportunity for both written and oral submissions by interested parties.

