



CMD 26-H103.6

Date: 2026-08-04

**Written Submission from
Kinectrics**

**Mémoire de
Kinectrics**

In the matter of

À l'égard du

Bruce Power

Application to amend the licensing basis for Bruce A and B nuclear generating stations to operate Units 7 and 8 pressure tubes beyond 300,000 effective full power hours

Bruce Power

Demande visant à modifier le fondement d'autorisation des centrales nucléaires de Bruce-A et B afin d'exploiter les tubes de force des tranches 7 et 8 au-delà des 300 000 heures équivalentes pleine puissance

Hearing in Writing

Audience par écrit

August 2026

Août 2026



KINECTRICS

a **BWX** company

August 5, 2026

Commission Secretariat
Canadian Nuclear Safety Commission
280 Slater Street
P.O. Box 1046, Station B
Ottawa, Ontario
K1P 5S9

Hearing in Writing on Bruce Power's Application to Amend the Licensing Basis for Bruce A and B Nuclear Generating Stations to Operate Units 7 and 8 Pressure Tubes Beyond 300,000 Effective Full Power Hours

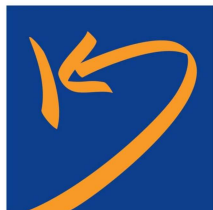
Dear Commission Secretariat,

The purpose of this letter is to express Kinectrics' support for Bruce Power's application to amend the licensing basis for Bruce A and B Nuclear Generating Stations (NGSs) to operate Units 7 and 8 pressure tubes beyond 300,000 Effective Full Power Hours (EFPH).

Kinectrics is a proudly Canadian company committed to supporting the safe, reliable, and sustainable generation of electricity in Canada and internationally. We provide complete life cycle management solutions to the electricity industry, supporting the deployment, licensing, and continued safe operation of nuclear generating facilities, working with our customers to fight climate change and save lives through clean electricity generation and medical isotope production.

Our headquarters are in Etobicoke, Ontario with offices in Pickering, downtown Toronto, Bruce County, and internationally, including the United States, Germany, Denmark, Romania, the United Kingdom, and India. We operate over 30 laboratories, including Canadian Nuclear Safety Commission-licensed nuclear facilities, and employ more than 1,300 staff, approximately 70% of whom have technical, science, or engineering degrees.

Ontario faces increasing demands on its energy supply due to both population growth and a commitment to meeting rigorous carbon reduction targets. Extending the operation of the Units 7 and 8 pressure tubes to a maximum of 310,000 EFPH provides the regulatory certainty and operational flexibility necessary to support the safe execution of the Major Component Replacement Project. We share Bruce Power's vision that the Major Component Replacement Project will have many benefits to the province, economy, and environment, which include ensuring a reliable, cost-effective supply of



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baseload electricity in Ontario, reducing CO₂ emissions, and extending the need for skilled jobs.

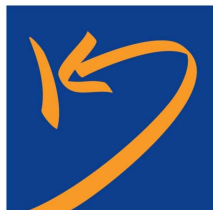
Kinectrics is committed to the safe operation of nuclear generating stations in Canada and around the world. Kinectrics has a long working relationship with Bruce Power and provides a broad range of services to Bruce Power which contribute to the continued safe operation of the Bruce A and Bruce B NGSs. Kinectrics has undertaken several projects to support the safe operation of the Units 7 and 8 pressure tubes beyond the current licensing basis. These projects include:

- Completed safety analysis impact assessments and analyses to support the safe extension of the Bruce B operating period to 310,000 EFPH, including Heat Transport System aging trending, a Safety Analysis Impact Review, and Safety Report Analysis of Record updates for Slow Loss of Regulation and Loss of Flow events.
- Completed a feasibility assessment to identify the analyses required to demonstrate fitness-for-service (FFS) of the Units 7 and 8 fuel channels for operation up to 310,000 EFPH. The assessment identified areas requiring further evaluation, many of which have been successfully addressed, with no concerns identified to date regarding fuel channel life extension.

In providing these services to Bruce Power, Kinectrics' staff interfaced with Bruce Power staff where we have developed long-standing working relationships. Kinectrics has observed the high degree of attention to detail and rigor that Bruce Power staff possess. Kinectrics is confident that a robust and comprehensive technical basis has been provided to operate Units 7 and 8 pressure tubes up to a maximum of 310,000 EFPH.

Kinectrics is a proud member of the Canadian Council for Indigenous Business (CCIB), which aims to strengthen the relationship between Indigenous and non-Indigenous peoples, businesses, and communities. In this regard, we are pleased to work with Bruce Power, which is also a member of the CCIB and has demonstrated a strong commitment to Indigenous communities. Bruce Power and its supplier partners created the Saugeen Ojibway Nation Community Development Fund to provide annual funding to Saugeen and Nawash leadership to invest in priority community development projects.

In summary, by working closely with Bruce Power and understanding their principles and safety culture, we are confident that Bruce Power has undertaken a systematic and comprehensive review of the impacts associated with extending the operation of the Units 7 and 8 pressure tubes to a maximum of 310,000 EFPH.



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On this basis, we support the approval of Bruce Power's application to amend the licensing basis to authorize Bruce B NGS to operate Units 7 and 8 beyond 300,000 EFPH.

Sincerely,

DocuSigned by:

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John D'Angelo
President
Kinectrics Inc.