



**Written submission from the  
Canadian Nuclear Laboratories**

**Mémoire des  
Laboratoires Nucléaires Canadiens**

In the Matter of

À l'égard de

**Bruce Power Inc.  
Bruce Nuclear Generating Stations A and B**

**Bruce Power Inc.  
Centrales nucléaires de Bruce-A et B**

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**Application to amend the power reactor  
operating licence for the Bruce Nuclear  
Generating Stations (NGS) A and B**

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**Demande visant à modifier son permis  
d'exploitation d'un réacteur de puissance pour  
les centrales nucléaires de Bruce-A et B**

Hearing in writing based on written  
submissions

Audience par écrit fondée sur des mémoires

**April 2023**

**Avril 2023**



2023-04-06

Commission Registry  
Canadian Nuclear Safety Commission  
280 Slater Street, P.O. Box 1046, Station B  
Ottawa, ON, K1P 5S9  
[interventions@cnsclab.gc.ca](mailto:interventions@cnsclab.gc.ca)

Dear Commission Registry:

**INTERVENTION SUPPORTING APPLICATION FROM BRUCE POWER INC. TO AMEND THE  
POWER REACTOR OPERATING LICENCE FOR BRUCE NUCLEAR GENERATING STATIONS A AND B  
TO REFLECT RECENT COMMISSION DECISIONS**

On behalf of the Canadian Nuclear Laboratories (CNL), I wish to inform you of our support for Bruce Power's application to amend its Operating Licence for Bruce Nuclear Generating Stations A and B. We respectfully request that this letter and its statements be duly considered in your deliberations to approve Bruce Power's application.

Canadian Nuclear Laboratories, Canada's premier national nuclear laboratory, has been a global leader in advancing nuclear science and technology, for many decades. Since 2009, Bruce Power has been engaged with industry partners to develop and execute life extension plans for fuel channel components and the development of improved methodologies and models to demonstrate fitness-for-service at long lifetimes.

CNL has been an active participant in the resulting Fuel Channel Life Management (FCLM) Project(s) managed by the Candu Owners Group (COG), CNL being both a COG Member and a supplier to COG under these FCLM Projects.

Since the inception of the first FCLM project, CNL has been working with industry in advancing and improving understanding of degradation mechanisms in fuel channel components. These developments have enabled the industry to meet or exceed the design life for pressure tubes. Bruce Power's continued participation in the FCLM projects demonstrates its commitment to ensuring a defence-in-depth strategy that ensures the safe operation of the nuclear reactor units at its site.

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Through decades of collaboration, CNL knows Bruce Power as a responsible member of the nuclear sector, who places an emphasis on safe operation focused on the safety of public, workers, and the environment. The energy they produce and the facilities they operate contribute to the prosperity of their host communities and the province as a whole.

CNL supports Bruce Power's application.

Respectfully,

A handwritten signature in black ink, appearing to read "J. McBrearty".

Joseph McBrearty  
President and Chief Executive Officer  
Canadian Nuclear Laboratories