Canadian Nuclear Safety Commission | Commission canadienne de sûreté nucléaire

CMD 26-H103.7

Date: 2026-08-04

Written Submission from the Canadian Nuclear Association

Mémoire de l'Association nucléaire canadienne

In the matter of

À l'égard du

Bruce Power

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

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

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Canada

canadian nuclear association cna anc association nucléaire canadienne

August 4, 2026

Re: Canadian Nuclear Safety Commission Hearing to Consider
Bruce B Units 7 and 8: Review of Fuel Channel Fitness for Service
Program to Extend Operation up to 310,000 Effective Full Power Hours

Attention: Canadian Nuclear Safety Commission

The CNA is pleased to offer its support for Bruce Power's request to extend the operating limit of Bruce B Unit 7 and 8 to 310 kEFPH. The Canadian Nuclear Association (CNA) has more than 100 members, representing over 89,000 Canadians employed directly or indirectly in exploring and mining uranium, generating electricity, advancing nuclear medicine, and promoting Canada's worldwide leadership in science and technology innovation.

As of right now, the authorized operational capacity is 300 kEFPH and the projected demands of both units are expected to exceed 300 kEFPH prior to reaching their Major Component Replacement (MCR) outages. This requested extension would provide Bruce Power with greater flexibility in scheduling the MCR outages for Units 7 and 8.

The Canadian Nuclear Safety Commission (CNSC) has expressed its support and recommendation for the approval of Bruce Power's request, confirming that the company has implemented the necessary safety measures required for the extension. They have also determined that Bruce Power has established appropriate accountability measures, such as the Fuel Channel Fitness for Service Program which evaluates the condition of pressure tubes to ensure they remain fit for operation. Additionally, CNSC stated that Bruce Power has identified the risks associated with the proposal and implemented proactive mechanisms to manage them. This includes the monitoring of oxidation phenomena, high deuterium ingress, equivalent hydrogen (Heq) concentration levels, and more.

Bruce Power recognizes that Bruce B Unit 7 and 8 are located on the traditional territory of the people of the Saugeen Ojibway Nation and is committed to meaningful Indigenous engagement. In collaboration with CNSC, Bruce Power conducts targeted Indigenous outreach, which includes responding to concerns raised, informing communities about the request through a variety of mediums, and encouraging participation in the Commission proceeding process. CNSC has also confirmed that this proposal is expected to not have any adverse impacts on Indigenous and/or Treaty rights.

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The CNA believes Bruce Power has demonstrated operational excellence and adequate provisions to ensure the continued protection of the health and safety of people throughout the proposed extension. For these reasons we would like to extend our full support for Bruce Power's request to extend its units' capabilities.
Please feel free to contact me directly at georgec@cna.ca should you have questions or require additional information.

Kind regards,

George Christidis
President and Chief Executive Officer
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