Canadian Nuclear Safety Commission | Commission canadienne de sûreté nucléaire

CMD 26-H110.6

Date: 2026-06-17

Written Submission from Georgian College

Mémoire du Collège Géorgien

In the matter of

À l'égard du

Bruce Power

Bruce Power

Application to change the lutetium-177 production process at Bruce A and B Nuclear Generating Stations

Demande visant à modifier le processus de production de lutécium 177 aux centrales nucléaires de Bruce A et B

Hearing in Writing

Audience par écrit

July 2026

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Canada

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June 17, 2026

Commission Registrar
Canadian Nuclear Safety Commission
P.O. Box 1046
280 Slater Street
Ottawa, ON K1P 5S9

Re: Written intervention in support of Bruce Power's application to operate a hot cell at the Central Maintenance Facility

Dear Commission Registrar:

On behalf of Georgian College, I am pleased to submit this written response in support of Bruce Power's application to update its licensing basis to include the operation of a hot cell at the Central Maintenance Facility for lutetium-177 production.

Georgian College is actively engaged in the education, workforce development, applied learning, and regional partnerships that support Ontario's nuclear sector. Through academic programming, sector association engagement, and partnerships across Grey, Bruce, Dufferin and Simcoe counties, Georgian recognizes the important role nuclear technology plays in clean energy, economic development, skilled workforce growth, and global health innovation.

Bruce Power's application represents an important advancement reinforcing Ontario's and Canada's leadership in the global medical isotope supply chain. Medical isotopes are essential to modern healthcare, including equipment sterilization, radiation therapy, theranostics, precision medicine, and various cancer therapies and treatments.

The proposed hot cell would enable Bruce Power to complete additional steps in the lutetium-177 production process on site. Localizing this work is intended to improve logistics, reduce off-site handling and transport, support dose optimization, and reinforce the principle of keeping radiation exposure as low as reasonably achievable. It would also strengthen Ontario's medical isotope supply chain infrastructure at a time when reliable access to cancer-fighting isotopes is increasingly important for patients and health systems worldwide.

As isotope production scales, supporting infrastructure such as the hot cell will be important to maintaining a safe, efficient and resilient isotope supply chain. This infrastructure also supports the continued development of a regional isotope cluster connected to global healthcare, highly skilled employment, applied research, and long-term economic growth.

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Georgian's support is informed by our engagement with the broader nuclear and isotope sectors. We work with and alongside organizations that are members of the Canadian Nuclear Isotope Council and founding members of the Southwestern Ontario Isotope Coalition. We recognize the importance of coordinated regional leadership in strengthening Ontario's role in the production, processing, commercialization and application of medical isotopes.

Georgian College's role in this sector is grounded in education and workforce development. Our programming in areas such as power engineering, engineering technology, skilled trades, project management, health, and emerging nuclear-related training supports the talent pipeline required by employers across the energy, isotope and advanced manufacturing sectors. We are also working with nuclear-sector partners and associations to align academic programming, micro-credentials, applied learning, and regional workforce development with sector needs.

Georgian also acknowledges the regional significance of Bruce Power's isotope work, including its partnership with the Saugeen Ojibway Nation through Gamzook'aamin aakoziwin. This partnership has supported stable revenues for the Chippewas of Saugeen First Nation and the Chippewas of Nawash Unceded First Nation, with isotope revenues contributing to community priorities and local development. The continued development of this isotope production program reflects the strength of place-based collaboration in Grey-Bruce and demonstrates how regional assets can contribute to global health priorities.

For these reasons, Georgian College supports Bruce Power's application to operate a hot cell at the Central Maintenance Facility, subject to the CNSC's independent regulatory review and oversight. We encourage the Commission to give favourable consideration to the application, recognizing its alignment with worker and public safety, medical isotope supply chain resilience, health innovation, and Ontario's leadership in the nuclear and isotope sectors.

Thank you for the opportunity to provide this written submission.

Warm regards,

Kevin Weaver
President and CEO