

August 26, 2020

BP-CORR-00531-00719

Mr. M. Leblanc
Commission Secretary
Canadian Nuclear Safety Commission
P.O. Box 1046
280 Slater Street
Ottawa, Ontario
K1P 5S9

Dear Mr. Leblanc:

Bruce A and B: Notice of Intent to Amend the Power Reactor Operating Licence

The purpose of this letter is to:

- provide notification of Bruce Power's intent to apply for an amendment to Power Reactor Operating Licence 18.01/2028; and
- request a panel hearing and decision by September 21, 2021.

In order to meet the expanding global supply need for radioisotopes used to treat cancer, Bruce Power plans to equip the Bruce site reactors with an isotope production system. Design and safety analysis activities are currently underway.

Initially, Bruce Power plans to produce Lu-177 in Unit 7. However, the proposed amendment will encompass the subsequent production of various isotopes in all eight units.

Bruce Power plans to submit an amendment application by December 2020; supporting technical information is planned to be provided to CNSC staff as discussed in Reference 1.

The proposed isotope production system will not materially change the overall safety case for the Bruce site. Additionally, isotope production is to the benefit of all Canadians, consistent with the Directive to the Canadian Nuclear Safety Commission Regarding the Health of Canadians.

In order to progress with planning and subsequent installation of the isotope production system, Bruce Power requests a panel hearing and decision by September 21, 2021.

Mr. L. Sigouin

August 26, 2020

If you require further information or have any questions regarding this submission, please contact Ms. Maia Ingram, Program Manager, Isotopes & Business Development, at 519-386-5365, or maia.ingram@brucepower.com.

Yours truly,



Maury Burton
Bruce Power
2020.08.26 09:32:14
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Maury Burton
Senior Director, Regulatory Affairs
Bruce Power

cc: L. Sigouin, CNSC - Ottawa
CNSC Bruce Site Office

Reference:

1. Letter, M. Burton to L. Sigouin, "Bruce B Lu-177 Isotopes Project: Submission of Regulatory Communication Plan and Safety Analysis Plan", December 19, 2019, BP-CORR-00531-00051.