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**Written submission from
Laurentis Energy Partners**

**Mémoire de
Laurentis Energy Partners**

In the Matter of the

À l'égard de

BWXT Medical Ltd.

BWXT Medical Ltd.

Application for a Class IB nuclear substance processing facility operating licence

Demande pour un permis d'exploitation d'une installation de traitement de substances nucléaires de catégorie IB

Commission Public Hearing

Audience publique de la Commission

June 9-10, 2021

9 et 10 juin 2021

April 30, 2021

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

Re: BWXT Medical Ltd. Application for a Class IB Licence (June 9-10 Public Hearing)

Dear Madame President and Canadian Nuclear Safety Commissioners,

Laurentis Energy Partners (LEP) would like to enter a positive intervention in support of BWXT Medical's Class IB Licence Application. LEP has worked with BWXT on various projects and can attest to the quality and professionalism of its staff and processes. BWXT has been an exemplary nuclear partner in Canada for many years.

BWXT Medical and LEP share a similar passion of being innovators and industry leaders in our fields – both serving energy markets and health care around the world, with a commitment to safety. We have collaborated on many projects and both strive to create solutions to move the world safely forward, leveraging our experience, people and integrity.

The need for medical isotopes is ever increasing; concerns about an adequate supply to diagnose heart disease and cancer, and to perform other important medical applications are compelling and vital to the health and wellbeing of Canadians. BWXT Medical is committed to meeting this demand by continuing to manufacture existing critical medical isotopes – isotopes that help to save lives.

LEP and BWXT, in collaboration with Ontario Power Generation (OPG), have been working together toward the production of molybdenum-99 (Mo-99) at the Darlington Nuclear Generating Station. Mo-99 is a vital medical isotope used in more than 40 million procedures a year and is commonly used to detect cancers and various medical conditions. LEP's partnership with BWXT will secure a domestic supply of Mo-99 for years to come. Creating a made-in-Ontario solution for a stable supply of Mo-99 is important, as this vital medical isotope is currently imported from around the world.

In addition to collaboration in the medical isotope field, LEP and BWXT have recently announced a collaboration agreement to develop technology that will assist in the

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recycling of heavy water at OPG nuclear facilities. The project between LEP and BWXT will develop new technology to recycle heavy water used to cool and moderate Canadian pressurized heavy-water reactors, such as OPG's Pickering and Darlington Nuclear Generating Stations. Once recycled, the heavy water will be utilized in a growing number of non-nuclear applications that include pharmaceuticals, medical diagnostics and next generation electronics, including fibre optics.

These areas of collaboration and partnership help to foster and elevate LEP's utmost confidence in BWXT's ability to undertake the licenced activities under their own Class IB licence. BWXT Medical's systems to protect employees, the environment and members of the public against environment, health and safety hazards are well established and BWXT Medical has proven to be competent and committed to continuously improving them.

Please accept this letter as Laurentis Energy Partners' full support of BWXT Medical's Class IB Nuclear Substance Processing Facility Operating Licence Application. Laurentis looks forward to our ongoing collaboration, partnerships, new technologies, and life-changing work between our two companies.

Sincerely,

A handwritten signature in black ink that reads "J Chapin".

Jennifer Chapin
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