



Mr. Richard Boyle
PHMSA/Radioactive Materials Branch
U.S. Department of Transport
East Building, 2nd Floor, PHH-23, E21-208
1200 New Jersey Avenue S.E.
Washington, D.C. 20590-0001

May 12, 2022

Subject: Amendment of the Canadian Nuclear Safety Commission's Transport Package Design Approval
CDN/2094/B(U)-96 for F-522 to Revision 4

Attn: Mr. Boyle,

Further to our request dated September 23, 2021^[1] for limited revalidation of the Canadian Nuclear Safety Commission (CNSC) Transport Certificate CDN/2094/B(U)-96 Rev. 4 for the F-522, BWXT Medical Ltd. is requesting full revalidation of the certificate. Revision 4 was an amendment to add a new configuration (F-522 overpack/F-528 shielding vessel) for the shipment of neutron irradiated Mo-99 target material encapsulated within zircaloy cladding. This change was initially out of scope of the revalidation request, but is now required to support BWXT Medical's plans to manufacture Technetium-99m (Tc-99m) generators.

The current revision of the certificate, Revision 4, was validated by the U.S. Department of Transport (DOT) on October 19, 2021 and we received Competent Authority Certification USA/0820/B(U)-96 Rev. 3 at that time with the statement "Only the UK-201 shielding vessel is authorized" under Section 2. "Package Description and Authorized Radioactive Contents".

In support of this application, we are providing the copy of Revision 4 of the CNSC transport certificate. Please let us know if you require further supporting information to authorize the F-528 shielding vessel.

If you have any questions or require any further information, please feel free to contact me by email at slacasse@bwxt.com, or by telephone at 1-613-963-2537.

Respectfully,

A handwritten signature in blue ink that reads "S. Lacasse".

Shannon Lacasse
Senior EHS Compliance Specialist

CC: Tim Mahilrajan (BWXT)
Michael Dorzek (BWXT)

Encl: CDN/2094/B(U)-96 Rev. 4

Reference:

- [1] Letter to Mr. Richard Boyle, U.S. Department of Transport, from Shannon Lacasse, BWXT Medical Ltd., "Amendment of the Canadian Nuclear Safety Commission's Transport Package Design Approval CDN/2094/B(U)-96 for F-522 to Revision 4", September 23, 2021