



Mr. Ryan J. Vierling
Office of Hazardous Materials Safety
USDOT, PHMSA
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

August 8, 2025

Subject: Amendment of the Canadian Nuclear Safety Commission's Transport Package Design Approval
CDN/2078/B(U)-96 for F-458 to Revision 11

To Mr. Vierling,

BWXT Medical Ltd. is requesting revalidation of the transport certificate CDN/2078/B(U) Rev. 11 (F-458). This certificate was amended to indicate certification to the IAEA's Regulations for the Safe Transport of Radioactive Material, 2018 Edition (SSR-6, 2018) and to add the following eight isotopes to the F-458/F-251/F-320 authorized radioactive contents: Ra-223, Ra-224, Ra-225, Ra-226, Ra-228, Th-228, Th-229 and Ac-225.

To demonstrate the F-458 family of transport packages meets the requirements of SSR-6, 2018, BWXT Medical created IS/TR 2734 F458 (1), "F-458 Transport Package Ageing Management Programme" to document the accounting of ageing mechanisms in the design of the package.

In support of this application, we are providing a copy of the current CNSC transport certificate along with supporting redacted documentation. Also enclosed is an affidavit requesting that the proprietary and confidential information in the documents be withheld from the public domain including the engineering assessment and ageing management programme documents in their entirety.

Revision 10 of the certificate was validated by the U.S. Department of Transport (DOT) on Jul 22, 2021 and we received Competent Authority Certification USA/0697/B(U)-96 Rev. 10 at that time.

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 1-343-551-3020.

Respectfully,

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

Shannon Lacasse
Senior EHS Compliance Specialist

cc. Michael Dorzek - BWXT Medical
Andre Fortier - BWXT Medical
Tim Mahilrajan - BWXT Medical

Enclosures:

1. Affidavit
2. CDN/2078/B(U) (Rev. 11) Transport Package Design Certificate
3. IS/TR 1791 F458 (9), "Engineering Assessment of the Ability of F-458/F-251, F-458/F-318, F-458/F-448, F-458/F-245, and F-458/F-247 to Meet IAEA SSR-6, 2018 Edition" FULL VERSION
PROPRIETARY AND CONFIDENTIAL
4. IS/QA 2663 Z000 (4), "Radioactive Material Transport Package Quality Plan" FULL VERSION
5. IS/QA 2663 Z000 (4), "Radioactive Material Transport Package Quality Plan" REDACTED
6. IS/DS 1789 F458 (14), "Design, Manufacturing and Operating Specification for the F-458 Family of Transport Packages" FULL VERSION
7. IS/DS 1789 F458 (14), "Design, Manufacturing and Operating Specification for the F-458 Family of Transport Packages" REDACTED
8. IS/TR 2734 F458 (1), "F-458 Transport Package Ageing Management Programme" FULL VERSION
PROPRIETARY AND CONFIDENTIAL