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Your ref: Docket No. 71-9380
Our ref: LTR-LCPT-22-14

June 27, 2022

Subject: Notification under 10CFR71.93(c) for Docket No. 71-9380

Dear Director,

The US NRC 10 CFR 71.93(c)(2) requirements for the certificate holder/applicant to provide notification 45 days in advance of starting fabrication of the first packaging under a Certificate of Compliance (CoC) applies to any packaging used for the shipment of licensed material which has: a maximum normal operating pressure in excess of 103 kPa (15 lbf/in²) gauge. The Traveller STD and XL packagings, NRC license USA/9380/B(U)F-96, are not pressure sealed from the ambient environment, therefore, no differential pressures can occur within the packaging (Ref: SAR Rev 2A, Section 2.1.1.1 *Packaging Configuration*). The containment boundary evaluated as part of the package is the fuel rods. The backfill pressure of the fuel rods at room temperature conditions is 275 psig (1.90 MPa gauge) for the Type B content configuration, prompting the notification requirement of 10 CFR 71.93(c)(2) (Ref: SAR Rev 2A, Section 1.2.2.1.1 *Fuel Rods*). The fuel rods are manufactured at the Westinghouse Nuclear Fuel, Columbia Fuel Site under the Westinghouse 10 CFR Part 50 license.

For any shipment of contents that are classified as Type B quantity material, per Safety Analysis Report (SAR) Revision 2A and NRC CoC Revision 1 Section 5.(a)(2), a bottom support component is required to be used along with the top axial clamping mechanism to ensure proper structural support for the fuel assembly during a free drop (Ref: SAR Rev 2A, Section 2.1.1.2 *Type B Configuration*).

The Traveller (71-9380) Type B packaging configuration is the same design as the Traveller (71-9297) Type A packaging configuration, except for the requirement of an added, removable bottom support component combined with a top axial clamping mechanism. As such, there was no packaging manufacturing required for the first use of the 71.9380 package, the transition of a 71-9297 to a 71-9380 packaging was a paper activity completed by retaining serial number and ensuring connection to original fabrication and maintenance records. The only physical changes for transition of a 71-9297 to a 71-9380 packaging included a new name plate with the US NRC package identification number and radiation trefoil symbol secured to the packaging outside surface to meet requirements of 49 CFR 172.310.

The first use of the Traveller (71-9380) package is an expected delivery of Type B content to a USA customer in mid-July 2022. The Type B configuration bottom support component and top axial clamping mechanism components for the specific contract fuel types were fabricated in April 2022.

All activities for the transition of the Traveller 71-9297 to a 71-9380 packaging were conducted under the NRC-approved Quality Assurance Program, which satisfies the requirements of 10 CFR 71, Subpart H (Reference: Quality Assurance Program Approval Form for Radioactive Material Packages No. 0708, Revision 9 (ML20227A105)).

Westinghouse will support the NRC staff for any review of the transition process and inspection of packaging, as deemed necessary. One copy of the amendment application is submitted electronically via NRC Electronic Information Exchange (EIE) system and emailed to the Project Manager, Pierre Saverot.

Best regards,

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Tanya Sloma-DeLosier
Package Licensing Program Manager
Licensing, Compliance, and Package Technology
Westinghouse Electric Company LLC

cc:

W. Stilwell, Westinghouse-USA
P. Saverot, US NRC

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