



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION REPORT
Docket No. 71-9380
Model No. Traveller STD and XL Packages
Certificate of Compliance No. 9380
Revision No. 2

SUMMARY

By letter dated January 20, 2023 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML23020A923), Westinghouse Electric Company (Westinghouse or the applicant) submitted an application to revise Certificate of Compliance (CoC) No. 9380 for the Traveller STD and XL packagings.

The amendment request includes updates and revisions to two licensing drawings:

- Traveller XL and STD Drawing 10004E58 updated to Revision No. 10.
- Traveller XL and STD Type B Drawing 10071E36 updated to Revision 5.

It includes also appropriate revisions to both Table 1-3 of the application "Safety-Related Parts for Traveller Type A Configuration (Drawing 10004E58)" and Table 1-4 "Safety-Related Parts for Traveller Type B Configuration (Drawing 10071E36)".

The applicant submitted Revision No. 3 of its application as part of this amendment request.

NRC staff reviewed the amendment application using the guidance in NUREG-2216, "Standard Review Plan for Transportation Packages for Spent Fuel and Radioactive Material," and NUREG-1886 "Joint Canada – United States Guide for Approval of Type B(U) and Fissile Material Transportation Packages."

Based on the statements and representations in the application, and the conditions listed in the CoC, the U.S. Nuclear Regulatory Commission staff (the staff) concludes that the package meets the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 71.

EVALUATION

Westinghouse submitted revised licensing drawings to correct a typographical error in the current drawings and safety-related part listings related to the top axial restraint component materials.

Westinghouse clarified that the components were designed and fabricated to the correct material requirements, as tested, and shown to be compliant with the regulatory requirements, as previously reviewed and approved by NRC staff.

The applicant explained that this was a typographical error, and the revised application and that the revised drawings do not introduce any change in the actual design, fabrication, or safety performance of the package.

Specifically, the changes include the following:

- Traveller XL and STD Drawing 10004E58 was updated to Revision 10 due to the fact that the Bill of Material (BOM) required an update to incorporate a material change from “304 STAINLESS STEEL” to “RUBBER”. The rubber pad part is in addition to the stainless-steel part that is previously identified in separate BOM items.
- Traveller XL and STD Type B Drawing 10071E36 was updated to Revision 5 due to the fact that the BOM required an update to incorporate a material change from “ASTM B209/B221 6061-T6 ALUMINUM” to “300 SERIES STAINLESS STEEL”. The top axial restraint component is correctly identified, as designed and tested, in Section 2.7.1.4.1, Type B Full Scale Drop Test Sequence, of the application as being fabricated from “300 SERIES STAINLESS STEEL” but was incorrectly identified on revision 4 of the drawings.

The applicant also revised Table 1-3 of the application “Safety-Related Parts of Traveller Type A Configuration (Drawing 10004E58)”, to correctly identify the material for Item 137 as “RUBBER” instead of “304 STAINLESS STEEL”, consistent with the update to the material listed in the BOM for this item in Drawing 10004E58.

Table 1-4, “Safety-Related Parts of Traveller Type B Configuration (Drawing 10071E36)” was updated to correctly identify the material for Item 133 as “300 SERIES STAINLESS STEEL” instead of “ASTM B209/B221 6061-T6 ALUMINUM”, consistent with the update to the material listed in the BOM for this item in Drawing 10071E36.

The staff reviewed the revised licensing drawings and the revised safety-related parts lists and verified that these revisions adequately describe the package and reflect the applicant’s selected materials for the package, as stated in the SAR.

The staff confirmed that the applicant’s updates to the identification of the materials for these items, as described above, are only to correct typographical errors in the BOM on the drawings and in the safety-related parts lists.

These updates do not change the materials for these items that are described throughout the rest of the SAR for the evaluation of these items.

The staff verified that the use of rubber as the material for the rubber pad is consistent with the description of the rubber pads used in conjunction with metallic components throughout the rest of the application.

The staff also verified that the use of 300 series stainless steel for the top axial restraint is consistent with the description of the top axial restraint in Section 2.7.1.4.1, Type B Full Scale Drop Test Sequence, of the application.

Therefore, the staff determined that the applicant's updates to the identification of the materials for Item 137, RUBBER PAD and Item 133, TOP AXIAL RESTRAINT in the BOM in the licensing drawings and in the safety-related parts lists in Table 1-3 and Table 1-4 of the application are acceptable.

CONDITIONS

The following Conditions have been modified in the certificate:

Item No. 3(b) was updated to reference the Revision No. 3 of the application

Condition No. 5(a)(3) was revised to include the latest revisions of the licensing drawings 10071E36, Rev. 5 and 10006E58, Rev. 10.

Condition No. 9 is deleted, and no previous certificate is authorized for use.

The expiration date of the certificate was not changed but Condition No. 10 has been renumbered Condition No.9.

The references section of the certificate was updated to include the Safety Analysis Report, Revision No. 3

CONCLUSION

Based on the statements and representations contained in the application, and the conditions listed above, the staff concludes that the design has been adequately described and evaluated, and the Model Nos. Traveller STD and Traveller XL packages meet the requirements of 10 CFR Part 71. The changes requested in this amendment also meet the guidance on format and content in NUREG-1886 for joint approval in Canada.

Issued with CoC No. 9380, Revision No. 2.