



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

July 29, 2016

Ms. Tanya Sloma  
Licensing, Compliance and Package Technology  
Nuclear Fuel Transport  
Westinghouse Electric Company, LLC  
5801 Bluff Road  
Hopkins, SC 29061

SUBJECT: REVISION NO. 9 OF CERTIFICATE OF COMPLIANCE NO. 9297 FOR THE  
MODEL NOS. TRAVELLER STD, TRAVELLER XL, AND TRAVELLER VVER  
PACKAGES (CAC NO. L25129)

Dear Ms. Sloma:

As requested by your application dated June 27, 2016, enclosed is Certificate of Compliance No. 9297, Revision No. 9, for the Model Nos. Traveller STD, Traveller XL, and Traveller VVER packages. Changes made to the certificate are indicated by vertical lines in the margin. The staff's safety evaluation report is enclosed.

The approval constitutes authority to use the package for shipment of unirradiated fissile material and for the package to be shipped in accordance with the provisions of 49 CFR 173.471. Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471.

If you have any questions regarding this certificate, please contact me or Bernard White of my staff at (301) 415-6577.

Sincerely,

/RA/

John McKirgan, Chief  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9297  
CAC Nos. L25129

Enclosures: 1. Certificate of Compliance  
No. 9297, Rev. No. 9  
2. Safety Evaluation Report  
3. Registered Users

Upon removal of Enclosure 3, this  
document is uncontrolled

cc w/encls 1 & 2: R. Boyle, Department of Transportation  
J. Shuler, Department of Energy, c/o L. F. Gelder  
Registered Users

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ADAMS Package No.: ML16214A146 Letter & SER: ML16214A152

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**SAFETY EVALUATION REPORT  
Docket No. 71-9297  
Model Nos. Traveller STD, Traveller XL and Traveller VVER  
Certificate of Compliance No. 9297  
Revision No. 9**

**SUMMARY**

By application dated June 27, 2016, Westinghouse Electric Company, LLC (Westinghouse or the applicant) requested an amendment to Certificate of Compliance (CoC) No. 9297 for the Model Nos. Traveller STD and Traveller XL packages. Westinghouse requested to amend the VVER fuel assembly nominal envelope from 23.48 cm (9.244 in) to 23.41 cm (9.215). Additionally, Westinghouse requested the review include consideration of NUREG-1886, "Joint Canada – United States Guide for Approval of Type B(U) and Fissile Material Transportation Packages."

NRC staff reviewed the amendment application using the guidance in NUREG-1609, "Standard Review Plan for Transportation Packages for 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 representation in the application, as supplemented, and the conditions listed below, the staff finds that these changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71. Staff reviewed the application against NUREG-1886, and finds the highlighted areas of emphasis have been appropriately addressed.

**EVALUATION**

The applicant requested a reduction of 0.07 cm (from 23.48 cm to 23.41 cm) in the assembly envelop for the VVER fuel design. This change did not result from revision of any fuel specifications important to criticality safety, such as the fuel rod pitch or pellet diameter. The NRC staff reviewed the information provided by the applicant to support this amendment and determined it is in compliance with the criticality safety requirements of 10 CFR 71.

**CONDITIONS**

The following changes have been made to the certificate:

Condition No. 5(b)(3)(i) was revised to change the nominal fuel assembly envelop to 23.41 cm.

Condition No. 10 was added to authorize use of Revision No. 8 of the Certificate of Compliance until August 31, 2017.

Previous Condition No. 10 was renumbered to Condition No. 11.

The references section has been updated to list the new supplement.

## **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, Traveller XL, and Traveller VVER packages meet the requirements of 10 CFR Part 71 and the guidance on format and content in NUREG-1886 for joint approval in the U.S. and Canada.

Issued with Certificate of Compliance No. 9297, Revision No. 9.