

Westinghouse
Electric Corporation

Water Reactor
Divisions



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LA 85-101

December 20, 1985

U. S. Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D. C. 20555

Attention: Mr. Charles E. MacDonald, Chief
Transportation Certification Branch

Gentlemen:

Subject: Application for Renewal of RCC Shipping Package,
Certificate of Compliance No. 5450, Docket 71-5450

Jan 86-1

Applicant
Check No.	479875
Amount/Fee Category	\$150.00
Type of Fee	Renewal
Date Check Rec'd.	1/6/86
Received By	J. J. Nardi

The Westinghouse Electric Corporation hereby submits this application for renewal of Certificate of Compliance No. 5450 for the RCC Shipping Package (Package Identification No. USA/5450/AF). Attached is a revised license application document to support this request. The application document is not significantly different from the current version with the exception of the items which are noted in Attachment 1 to this letter.

Westinghouse also requests that this Shipping Package be certified by the U. S. D.O.T. for international transport. In accordance with the provisions of 10CFR71.13(c), Attachment 2 presents a summary of how the requirements of 10CFR71 are met. Attachment 3 presents a summary of how the differences between 10CFR71 and the 1973 version of the IAEA Regulations are met.

A check in the amount of \$150.00 is enclosed as payment of the application fee specified in 10CFR170.31 for this request.

If you have any questions concerning this application, please contact me at the above address or telephone (412) 256-6054.

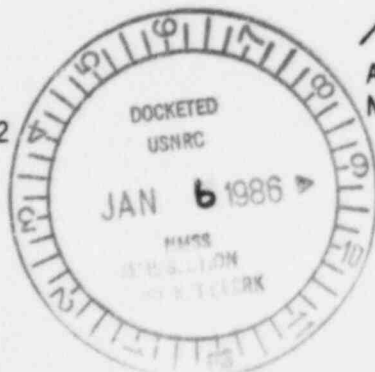
Very truly yours,

A. Joseph Nardi

A. J. Nardi, Manager
NES License Administration

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Attachment



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ATTACHMENT NUMBER 1
TO LETTER LA 85-101

SUMMARY OF CHANGES MADE TO LICENSE APPLICATION FOR
RENEWAL OF CERTIFICATE OF COMPLIANCE No. 5450

- 1) This application provides information to support the shipment of these packages as Fissile Class I. The current Certificate of Compliance authorizes Fissile Class II and III shipments. Appendix 19 has been revised to reflect the information on the nuclear criticality safety calculations for an infinite array of shipping containers with optimum interspersed moderation.
- 2) The drawings for the RCC-4 shipping package have been revised to make them clearer and to provide only the necessary safety related information.

ATTACHMENT 2
(Attachment to Letter Number LA 85-101)

Comparison of Package Evaluation with Requirements
of Current Regulations (10CFR71)

REFERENCE	REQUIREMENTS	EVALUATION
71.71(b)	Initial Conditions	No significant difference. Only clad fuel is authorized for transport.
71.71(c)(1)	Heat	No significant difference. Only clad fuel is authorized for transport.
71.71(c)(2)	Cold	No significant difference. Only clad fuel is authorized for transport.
71.71(c)(3)	Reduced external pressure	No significant difference. Only clad fuel is authorized for transport.
71.71(c)(4)	Increased external pressure	No significant difference. Only clad fuel is authorized for transport.
71.71(c)(5)	Vibration	No change in regulations.
71.71(c)(6)	Water spray	No significant difference. Package is not subject to water damage.
71.71(c)(7)	Free drop	No significant difference. Package has been evaluated for Fissile Class 1 shipments. New requirements for Fissile Class 2 do not apply.

ATTACHMENT 2 (Continued)
(Attachment to Letter Number LA 85-101)

Comparison of Package Evaluation with Requirements
of Current Regulations (10CFR71)

REFERENCE	REQUIREMENTS	EVALUATION
71.71(c)(8)	Corner drop	Not applicable.
71.71(c)(9)	Compression	No significant difference. Package has been evaluated.
71.71(c)(10)	Penetration	No change in requirements. Package has been evaluated.
71.73(c)(1)	Free drop	No change in requirements. Package has been evaluated.
71.73(c)(2)	Puncture	No change in requirements. Package has been evaluated.
71.73(c)(3)	Thermal	No significant difference. Only clad fuel is authorize for transport.
71.73(c)(4)	Immersion - Fissile Material	No change in requirements. Package has been evaluated.
71.73(c)(5)	Immersion - all packages	New requirement but no impact on evaluation. Only clad fuel is authorize for transport.

ATTACHMENT 3
(Attachment to Letter Number LA 85-101)

Comparison of Package Evaluation with Requirements
of IAEA Regulations (1973)

IAEA PARAGRAPH REFERENCE	REQUIREMENTS OF IAEA REGULATIONS	EVALUATION
711	Water spray test	No significant difference. Package is not subject to water damage.
712	Free drop test	No significant difference in requirements.
713	Compression test	No significant difference in requirements.
714	Penetration test	No significant difference in requirements.
719	Mechanical test	No significant difference in requirements.
720	Thermal test	No significant difference. Only clad fuel is authorized for transport.
721	Water immersion	No impact. Only clad fuel is authorized for transport.
722, 723 & 724	Water in-leakage for fissile material packages	No impact. Only clad fuel is authorized for transport. Nuclear criticality safety evaluation assumes water in-leakage.