10 CFR 71 FOF		CERTIFICATE OF COMPLIANCE FOR RADIOACTIVE MATERIALS PACKAGES					
		b. REVISION NUMBER	c PACKAGE	USA/9783/B()	d PAGE NUMBER	TOTAL NUMBER PAG	
PREAMBLE This certification of Federal This certification of Federal	cate is issi Regulatio	ns. Part 71, "Packagin not relieve the consid	ackaging and contents of gand Transportation of nor from compliance with	Radioactive Materi h any requirement	below, meets the applicable s	Department of Trans	
U.S. Department of Energy Division of Naval Reactors Washington DC 20585			ergy	Safety Analysis Report for S5W ITP. Shipping Container dated October 15, 1973, as supplemented			
***************************************			c 000	CKET NUMBER	71-9783		
4 CONDITIONS This certificati	e is condi	ional upon fulfilling th	ne requirements of 10 Cl	FR Part 71, as app	licable, and the conditions s	pecified below.	
(a)	Pack (1) (2)	Model No.: Description The S5W ITR Core 3 inte thermocoupl thermocoupl are properl container i and 2 feet, two interio diameter Sc shell and t lead provid during the plates are constant su for bolting holes are p used to rai loading or	shipping contrpass thermocie. The contares from a ready enclosed and sassembled to a sassembled to a raxially located to a sample of the interior to the container ovided in the rovided to a ready a	uples or or iner is used tor vessed sealed with the shipped in the shipped in the state of the state of the side o	designed to house S3W/S4W Core ed during removal. After the institution of the shipping structure. Seel, approximations steel tubes anular void between the containing to protect programment. The sof the containing shipment. The of the supporter to the vertices of the containing structure of the supporter to the vertices.	Water Temper 1 of the irrepass ther ng container The S5W ITE ely 17-1/2 feel outer shaden the extended the fin-shape er. They prostant flat plates and all for them is a f	rature radiated mocouples r, the rest long reet long reel with res radiation

- a. This certificate is issued to certify that the packaging and contents described in Item 5 below, meets the applicable safety standards set forth in Title 10. October of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material
- b. This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported
- 3 THIS CERTIFICATE IS ISSUED ON THE BASIS OF A SAFETY ANALYSIS REPORT OF THE PACKAGE DESIGN OR APPLICATION A ISSUED TO (Name and Address)

- (a) Packaging
 - (1) Model No.: S5W ITR
 - (2) Description

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The shipping structure is fabricated from two, 12-inch carbon steel structural channels, weighing 20.7 lbs/ft, joined together at the bottom flange by five carbon steel plates and ten structural supports welded to the internal faces of the channels and the container support plates. The thermocouple container support plates and the shipping structure are held together with twenty-four, 1-1/4-7UNC commercial grade bolts and nuts. Two, one-inch dowel pins affixed to the upper flanges of the shipping structure, guide and locate the thermocouple container onto the shipping structure. The assembled container and shipping structure has an approximate weight of 16,000 lbs.

(3) Drawings

The packaging is constructed in accordance with the description and drawings contained in Bettis Atomic Power Laboratory Safety Analysis Report (WAPD-DP(R)C-256) dated October 15, 1973.

(b) Contents

(1) Type and form of material

Irradiated solid material of the following form,

(i) S5W interpass thermocouples of either Core 2 or Core 3 type, irradiated for not more than two core lives.

- (ii) S3W/S4W core water temperature thermocouple, irradiated for not more than three core lives.
- (2) Maximum quantity of material per package
 - (i) Two irradiated assemblies as described in 5(b)(1)(i), not to exceed 1,300 curies. Shipment shall not be made sooner than 30 days after reactor plant shutdown.
 - (ii) One irradiated assembly as described in 5(b)(1)(ii), not to exceed 2,550 curies. Shipment shall not be made sooner than 150 days after reactor plant shutdown.

6. Expiration date: December 31, 1992.

CONDITIONS (continued)

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REFERENCES

Safety Analysis Report for S5W ITR shipping container, WAPD-OP(R)C-256, dated October 15, 1973.

Supplements: Bettis Atomic Power Laboratory letters MAPD-OP(R)C-350 dated May 23, 1974, WAPD-OP(R)C-584 dated December 10, 1976 and WAPD-OP(R)C-605 dated January 13, 1977.

FOR THE U.S. NUCLEAR REGULATORY CUMMISSION

Charles E. MacDonald, Chief

Transportation Branch

Division of Safeguards and

Date: DEC 3 0 1987



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

Transportation Branch
Approval Record
Model No. S5W ITR Package
Docket No. 71-9783
Revision No. 3

By application dated November 10, 1987 (G#87-3254), Division of Naval Reactors, U.S. Department of Energy, requested renewal of Certificate of Compliance No. 9783. No changes have been authorized to the package design since approval of the latest supplement dated January 13, 1977.

The certificate of compliance has been renewed for a five year term which expires December 31, 1992.

Charles E. MacDonald, Chief

Transportation Branch

Division of Safeguards and Transportation, NMSS

Date: DEC 30 MM