

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIALS PACKAGES**

U.S. NUCLEAR REGULATORY COMMISSION

1. a. CERTIFICATE NUMBER 6049	b. REVISION NUMBER 3	c. PACKAGE IDENTIFICATION NUMBER USA/6049/B()F	d. PAGE NUMBER 1	e. TOTAL NUMBER PAGES 3
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2. PREAMBLE

- 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, Code 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)

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION

U.S. Department of Energy
Division of Naval Reactors
Washington, DC 20585

Safety Analysis Report for 426A and 426B
shipping containers dated January 31, 1969,
as supplemented.

c. DOCKET NUMBER

71-6049

4. CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below.

5.

(a) Packaging

(1) Model Nos.: 426A and 426B

(2) Description

The Model Nos. 426A and 426B containers are used to ship and store new unirradiated S5W Core R3 core cartridge assemblies, new unirradiated S3W Core R2 fuel subassemblies, and new unirradiated S1W Core R3 core cartridge assemblies. The 426A container, the basic design for this series of shipping and storage containers, is a horizontal cylindrical metal weldment 73-1/2" diameter by 226 inches in length. The container, mounted on wooden skids, is 82-9/16 inches high and weighs 6,000 pounds empty. The 426B container is essentially identical to the 426A container in all respects except for length. The 426B container was made 292 inches long (66 inches longer than the 426A) to accommodate the no longer existing S1W-4 instrumented core cartridge and weighs 7,900 pounds empty. The container assembly consists of three major subassemblies: the upper section, the lower section, and the cradle which supports the core within the container assembly and supports the new fuel assembly. The maximum gross weight of the 426A container is 27,960 lbs.

(3) Drawing

The packaging is constructed in accordance with Applied Design Company Drawing No. 426A401, Rev. C.

(b) Contents

(1) Type and form of material

Unirradiated fuel assemblies of the following type,

- (i) S5W Core R3 cartridge assembly, with all control rods installed and restrained in a fully inserted position with rod holddown caps.
- (ii) S3W Core R2 fuel assemblies, with covers of borated steel secured in place over the assemblies, in the S3W/S4W New Core Component Adapter Kit.
- (iii) S1W Core R3 cartridge assembly, with all control rods installed and restrained in a fully inserted position by a control rod holddown plate.

(2) Maximum quantity of material per package

One fuel assembly as described in 5(b)(1)(i), 5(b)(1)(ii) or 5(b)(1)(iii).

(c) Fissile Class

III

Maximum number of packages
per shipment:

one

6. Expiration date: July 31, 1992.

REFERENCE

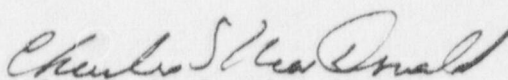
Safety Analysis Report for 426A and 426B shipping containers, WAPD-OP(R)S-3105, dated January 31, 1969.

CONDITIONS (continued)

Page 3 - Certificate No. 6049 - Revision No. 3 - Docket No. 71-6049

Supplements: Bettis Atomic Power Laboratory letters WAPD-OP-(R)S-3373 dated June 11, 1969, WAPD-OP(R)C-71 dated March 6, 1972, WAPD-OP(R)C-139 dated August 4, 1972, WAPD-OP(R)C-145 dated August 11, 1972 and WAPD-OP(R)C-164 dated October 6, 1972.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION


Charles E. MacDonald, Chief
Transportation Branch
Division of Safeguards and
Transportation, NMSS

Date: JUL 27 1987



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

Transportation Branch
Approval Record
Model No. 426A and 426B Packaging
Docket No. 71-6049
Revision No. 3

By application dated June 25, 1987 (G# 87-1684), Division of Naval Reactors, U.S. Department of Energy, requested renewal of Certificate of Compliance No. 6049. No changes have been authorized to the package design since approval of latest supplement dated October 6, 1972.

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

Charles E. MacDonald
Charles E. MacDonald, Chief
Transportation Branch
Division of Safeguards and
Transportation, NMSS

JUL 27 1987

Date: _____