

CERTIFICATE OF COMPLIANCE  
FOR RADIOACTIVE MATERIALS PACKAGES

1. CERTIFICATE NUMBER	2. REVISION NUMBER	3. PACKAGE IDENTIFICATION NUMBER	4. PAGE NUMBER	5. TOTAL NUMBER PAGES
5341	7	USA/5341/B( )	1	2

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

Babcock & Wilcox Company  
P. O. Box 785  
Lynchburg, VA 24505

Babcock & Wilcox application dated  
June 23, 1967, as supplemented.

c. DOCKET NUMBER 71-5341

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 No.: NFP-55
- (2) Description

Packaging as described and constructed in accordance with DOT Specification 6M except: (i) the containment vessel is limited to a 5-inch Schedule 40 steel pipe with threaded cap closure and welded bottom plate; (ii) the outside drum must have at least 55-gallon capacity; and, (iii) the sides and ends of the containment vessel must have at least 7 inches of insulation with the radial clearance between the insulation and the outer shell not exceeding 5/8 inch.

(b) Contents

- (1) Type and form of material

Uranyl nitrate or uranium oxides, of any enrichment in the U-235 isotope, provided the H/U-235 ratio does not exceed 20, considering all sources of moderation within the inner container.

- (2) Maximum quantity of material per package

Not more than 3.6 kilograms U-235 in a volume not to exceed 3.6 liters.

5. (c) Fissile Class II and III
- (1) Minimum number transport index to be shown on label for Class II 1.3
- (2) Maximum number of packages per shipment for Class III 40 packages
6. Pipe cap closure on the Schedule 40 pipe shall be sealed with teflon tape.
7. In addition to the requirements of Subpart G of 10 CFR Part 71:
- (a) Each package shall be operated and prepared for shipment in accordance with the Operating Procedures in Section 7 of the supplement dated October 29, 1990;
- (b) Each package shall be maintained in accordance with the Maintenance Program in Section 8.2 of the supplement dated October 29, 1990; and
- (c) Prior to each use, each package shall be visually inspected in accordance with Section 8.1.1 of the supplement dated October 29, 1990.
8. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12.
9. Expiration date: June 30, 1992.

REFERENCES

Babcock & Wilcox Company application dated June 23, 1967.

Supplements dated: January 5, 1970; May 14, 1980; August 16, 1989; and October 29, 1990.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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

Date: JAN 8 1991



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

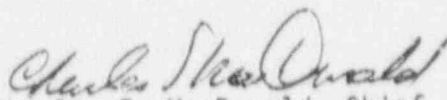
APPROVAL RECORD

Model No. NFP-55  
Certificate of Compliance 5341  
Revision 7

By application dated August 16, 1989, as supplemented October 29, 1990, Babcock and Wilcox requested renewal of Certificate of Compliance No. 5341 for the Model No. NFP-55 package. No changes were requested or made to the package.

By supplement dated October 29, 1990, Operating Procedures, Acceptance Tests and Maintenance Program for the package were provided. These were reviewed by the staff and were found to be adequate. The Certificate of Compliance has been conditioned to require that the package be prepared for shipment in accordance with the Operating Procedures and be maintained in accordance with the Maintenance Program. The certificate has also been conditioned to require that the visual inspections specified in the Acceptance Tests be performed prior to each shipment.

The applicant is designing a new package which is intended to replace the Model No. NFP-55 package. The Certificate of Compliance has been renewed for an 18-month period to allow for the design, testing, fabrication and review of a new package design. The Certificate of Compliance will expire June 30, 1992.

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

Date: JAN 8 1991