

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1 a. CERTIFICATE NUMBER 9795	b. REVISION NUMBER 3	c. DOCKET NUMBER 71-9795	d. PACKAGE IDENTIFICATION NUMBER USA/9795/B(U)-85	PAGE 1	PAGES OF 4
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2. PREAMBLE

- a. This certificate is issued to certify that the package (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*)
U.S. Department of Energy
Division of Naval Reactors
Washington, D.C. 20585
- b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION
Irradiated Component Disposal Container
Safety Analysis Report for Packaging
dated July 10, 1997, as supplemented.

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.: Irradiated Component Disposal Container (ICDC)
- (2) Description

The Model No. ICDC is stainless steel cask with an impact limiter at the upper end. The cask body is cylindrical in shape with overall dimensions of approximately 134.6 inches long by 122 inches diameter at the container body flange. The cask cavity is approximately 134.6 inches long by 91 inches diameter. The wall of the cask is 304 stainless steel, 10 inches thick at the bottom and 5 inches thick at the top. The bottom of the cask is an 11 inch thick circular steel plate. The cask lid is closed by a full penetration weld. The upper impact limiter is a stainless steel ring attached with 21 studs to the cask body. A centering plate and pedestals, welded to the bottom end plate, are used to position the contents within the package. The maximum weight of the package is 200,000 pounds. The maximum weight of the contents is approximately 36,300 pounds.

(3) Drawings

The package is constructed in accordance with the drawings, figures and sketches included in the application documents (see References, below).

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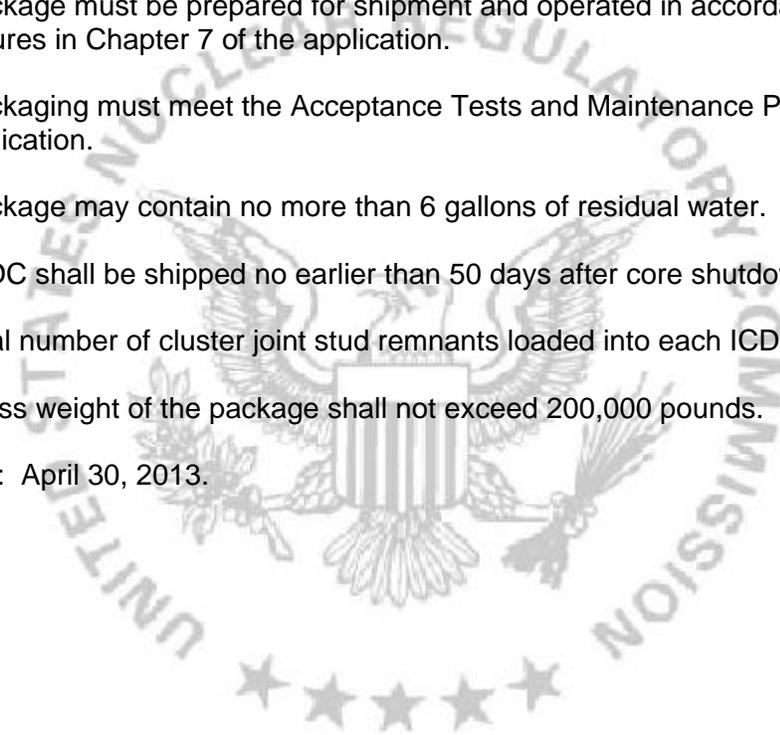
5. (b) Contents

The contents of the package are cell support housings and other miscellaneous core components from a spent reactor core. The maximum number of these components per package is specified in Section 1.1 of the application. The other contents of the package include potential residual water not greater than 6 gallons, diatomaceous earth desiccant to absorb the residual water and a stainless steel pumpdown lance which may be left in the package. The maximum radioactivity of the contents is 5,600 curies. The total radioactivity is based on transport no earlier than 50 days after core shutdown.

6. In addition to the requirements of Subpart G of 10 CFR Part 71:

- (a) The package must be prepared for shipment and operated in accordance with the Operating Procedures in Chapter 7 of the application.
- (b) The packaging must meet the Acceptance Tests and Maintenance Program in Chapter 8 of the application.
- (c) The package may contain no more than 6 gallons of residual water.
- (d) The ICDC shall be shipped no earlier than 50 days after core shutdown.
- (e) The total number of cluster joint stud remnants loaded into each ICDC must not exceed 25.
- (f) The gross weight of the package shall not exceed 200,000 pounds.

7. Expiration date: April 30, 2013.



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REFERENCES

Irradiated Component Disposal Container Safety Analysis Report for Packaging dated July 10, 1997.

Supplements dated: U.S. Department of Energy, Division of Naval Reactors letters G#C98-11009, dated December 2, 1998; G#99-03507, dated May 3, 1999; G#C02-4083, dated October 23, 2002; and G#07-04227, dated November 5, 2007.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RAI

Robert A. Nelson, Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Date: January 3, 2008.

