

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIALS PACKAGES**

1. a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. PACKAGE IDENTIFICATION NUMBER	d. PAGE NUMBER	e. TOTAL NUMBER PAGES
4949	4	USA/4949/AF	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 of Radioactive Materials for Transport and Transportation of Radioactive Material Under Certain Conditions."
- 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. PREPARED BY (Name and Address):

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION:

United Nuclear Corporation
Recovery Operations
Wood River Junction, RI 02894

United Nuclear Corporation application dated
October 4, 1979, as supplemented.

c. DOCKET NUMBER 71-4949

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.: UNC-1484

(2) Description

Containment vessel consists of a 5-1/4" ID x 36-1/2" long and 3/8" thick steel pipe with welded bottom plate and bolted top flange closure. Containment vessel is centered and supported within a 65 gallon minimum 16-gage steel drum with DOT Specification 17H closure by plywood spacers, benelex, tubular steel spokes, and insulation material.

(3) Drawings

Container is constructed in accordance with United Nuclear Corporation Drawing No. D-5005-8017, Rev. 1.

(b) Contents

(1) Type and form of material

Uranium oxide and compounds which will withstand a temperature of 750° without pressure generating decomposition. Density may not exceed 5.3 g U/cc. The theoretical-density-moderator relationship for "U compounds" shown in Figure 309 XXIV, dated February 6, 1970, Docket No. 70-36, or in Figure 1.D.17 of the UK Handbook may not be exceeded. Uranium may be enriched to any degree in the U-235 isotope. The maximum H/X atomic ratio considering all sources of hydrogenous material interspersed with the fissile material shall not exceed 0.5.

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PDR ADDCK 07104949
C PDR

71-4949

RETURN TO
A. Machlin
396-SS

Distribution:
w/enc1
Docket File
NRC PDR
IE HQ
State Health Official
Regions (5)
NMSS R/F
FCTC R/F

August 29, 1983

To: Holders and Registered Users
of Certificate(s) of Compliance
for Radioactive Material Packages

Gentlemen:

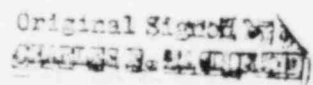
On August 5, 1983, the U.S. Nuclear Regulatory Commission published a final rule in the Federal Register for the packaging and transportation of radioactive material (10 CFR Part 71). Corrections to the final rule were published in the Federal Register on August 24, 1983. The revised regulations will be effective on September 6, 1983.

Enclosed are Certificate(s) of Compliance for Radioactive Material Packages for which you are currently a registered user under the general license provisions of 10 CFR 71.12 or 49 CFR 173.471. The certificate(s) have been revised to reflect changes made in 10 CFR Part 71. On September 6, 1983 or earlier if indicated by the date on the certificate, these Certificate(s) of Compliance supersede your current certificate(s) in their entirety.

Please note the conditions included in the certificate(s). Also note that Section 71.13 of 10 CFR Part 71 contains specific provisions for use and modification of previously approved Type B packages that have not been designated as either Type B(U) or B(M) in the NRC Certificate of Compliance.

If you desire to register for use of other package designs, you may do so pursuant to 10 CFR 71.12 or 49 CFR 173.471. Likewise, if you no longer desire to be a registered user of one or more package designs, please let me know.

Sincerely,

Original Signed by


Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety, NMSS

Enclosure(s): As stated

cc w/encls:
Mr. Richard R. Rawl
Department of Transportation

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FCTC
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08/25/83