NRC FORM 618
(6-83)
10 CFR 71

U.S. NUCLEAR REGULATORY COMMISSION

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
9094	6	USA/9094/A	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*)

Chem-Nuclear Systems, Inc.
240 Stone Ridge Drive
Columbia, SC 29210

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION

Chem-Nuclear Systems, Inc. application dated March 31, 1980.

c. DOCKET NUMBER 71-9094

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.: CNS 14-195-H

(2) Description

A steel encased lead shielded cask for low specific activity material. The cask is a right circular cylinder 83-1/8-inch diameter by 89-7/8-inch with a 77-inch diameter by 80-1/8-inch cavity. Lead shielding is 2-3/16-inch thick, and is encased in an outer steel shell 3/4-inch thick and inner steel shell 1/8-inch thick. Positive closure of the silicone rubber-sealed lid is provided by twelve, 1-1/4-inch diameter cap screws. A secondary lid with a Neoprene seal uses eighteen, 3/4"-10UNC bolts for closure. The cask is welded to a 96-inch square based plate, has two lifting trunnions, three lid lift rings and one secondary lid lifting ring. Package gross weight is 56,500 pounds.

(3) Drawing

The packaging is fabricated in accordance with Chem-Nuclear Systems, Inc. Drawing No. 1-189-101, Sheet 1 of 1, Rev. A-F.

5. (b) Contents

(1) Type and form of material

(i) Process solids, either dewatered, solid or solidified in secondary containers, meeting the requirements for low specific activity material, or

(ii) Solid reactor components in secondary containers, as required that meet the requirements for low specific activity material.

(2) Maximum quantity of material per package

Greater than Type A quantity of radioactive material with the weight of the contents, secondary containers and shoring not exceeding 17,700 pounds.

6. Shoring shall be placed between secondary containers (or activated components) and the cask cavity to prevent movement during normal conditions of transport.

7. The lid lifting lugs shall not be used for lifting the cask and shall be covered in transit.

8. Prior to each shipment the lid gaskets shall be inspected. This gaskets shall be replaced if inspection shows any defects or every twelve (12) months, whichever occurs first.

9. Packagings fabricated after March 31, 1980, shall be constructed of A-516, Grade 70 carbon steel instead of A-36 carbon steel.

10. The package authorized by this certificate shall be transported on a motor vehicle, railroad car, aircraft, inland water craft, or hold or deck of a seagoirg vessel assigned for sole use of the licensee.

11. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12.

12. Expiration date: May 31, 1985.

REFERENCE

Chem-Nuclear Systems, Inc. application dated March 31, 1980.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Charles E. MacDonald

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

Date: SEP 06 1983

71-9094

RETURN TO
A. Machlin
396-SS

Distribution:
w/encl
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

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

FCTC
CEMacDonald:alm
08/26/83

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