

U.S. NUCLEAR REGULATORY COMMISSION
CERTIFICATE OF COMPLIANCE
For Radioactive Materials Packages

1.(a) Certificate Number	1.(b) Revision No.	1.(c) Package Identification No.	1.(d) Pages No.	1.(e) Total No. Pages
5926	5	USA/5926/B()F	1	2

2. PREAMBLE

- 2.(a) This certificate is issued to satisfy Sections 173.393a, 173.394, 173.395, and 173.396 of the Department of Transportation Hazardous Materials Regulations (49 CFR 170-189 and 14 CFR 103) and Sections 146-19-10a and 146-19-100 of the Department of Transportation Dangerous Cargoes Regulations (46 CFR 146-149), as amended.
- 2.(b) The packaging and contents described in item 5 below, meets the safety standards set forth in Subpart C of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Materials for Transport and Transportation of Radioactive Material Under Certain Conditions."
- 2.(c) 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—

3.(a) Prepared by (Name and address):	3.(b) Title and identification of report or application:
General Electric Company P.O. Box 460 Pleasanton, CA 94566	General Electric Company application dated January 25, 1980
	3.(c) Docket No. 71-5926

4. CONDITIONS

This certificate is conditional upon the fulfilling of the requirements of Subpart D of 10 CFR 71, as applicable, and the conditions specified in item 5 below.

5. Description of Packaging and Authorized Contents, Model Number, Fissile Class, Other Conditions, and References:

(a) Packaging

- (1) Model No.: GE-100
(2) Description

A steel encased lead shielded shipping cask. The cask is a double-walled steel circular cylinder, 20-1/4-inch diameter by 27-1/8-inch high with a central cavity 7-5/8-inch diameter by 10 inches high. Approximately 5-7/8 inches of lead surround the central cavity. The cask is equipped with a cavity drain line and lifting device. Closure is accomplished by a gasketed and bolted steel lead filled plug. For additional shielding lead, tungsten or uranium liners may be inserted in the cask cavity. The maximum weight of the packaging is 3,520 pounds.

(3) Drawings

The packaging is constructed in accordance with the following General Electric Company Drawing Nos.:

913E390, Rev. 2	135C5371, Rev. 2
612D137, Rev. 5	153F902, Rev. 5
612D139, Rev. 5	135C5529, Rev. 3
693C292, Rev. 5	706E594, Rev. 7
985C540, Rev. 2	153C4270, Rev. 2
985C575, Rev. 2	129D4702, Rev. 0
693C293, Rev. 3	

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5. (b) Contents

(1) Type and form of material

Byproduct and irradiated special nuclear material in the form of fuel rods, or plates, fuel assemblies, or meeting special form requirements of 10 CFR §71.4(o).

(2) Maximum quantity of material per package

Radioactive decay heat not to exceed 400 watts and 500 grams U-235 equivalent mass fissile material. (U-235 equivalent mass equals U-235 mass plus 1.66 times U-233 mass plus 1.66 times Pu mass.)

Plutonium in excess of twenty (20) curies per package must be in the form of metal, metal alloy, or reactor elements.

(c) Fissile Class

II

Minimum transport index to be shown on label

5.6

6. Shoring shall be provided to minimize movement of contents during accident conditions of transport.
7. At the time of delivery of the loaded package to a carrier for transport, the package contents shall be dry and the fissile material unmoderated (H to X atomic ratio less than 2).
8. Prior to each shipment the silicon rubber lid gasket shall be inspected. The silicone rubber gasket shall be replaced if inspection shows any defects or every twelve (12) months, whichever occurs first. Cavity drain line shall be sealed with appropriate sealant applied to threads of pipe plug.
9. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12(b).
10. Expiration date: December 31, 1980.

REFERENCE

General Electric Company application dated January 25, 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

Date: JUN 23 1980