

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

1.(a) Certificate Number 5331	1.(b) Revision No. 2	1.(c) Package Identification No. USA/5331/B()F	1.(d) Pages No. 1	1.(e) Total No. Pages 2
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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):

General Electric Company
P.O. Box 780
Wilmington, NC 28401

3.(b) Title and identification of report or application:

General Electric Company application dated
July 6, 1967.

3.(c) Docket No. 71-5331

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.: BP-2

(2) Description

The primary containment vessel consists of polyethylene bottles in a 3-inch diameter by 10-inch long Schedule 40 steel pipe with standard pipe cap closures (DOT Specification 2R). The vessel is centrally positioned by a steel support structure in a 5-gallon DOT Specification 17H steel pail, closed with a 16-lug lid. Void spaces are filled with vermiculite. The pail is enclosed in a banded 3/4-inch thick plywood box.

(3) Drawing

The packaging is constructed in accordance with General Electric Figure 4.2.1, Appendix D.

(b) Contents

(1) Type and form of material

- (i) Dry uranium metals, oxides or mixtures of these materials, provided the material will withstand a temperature of 800°C without pressure generating decomposition. Uranium may be enriched to any degree in the U-235 isotope, or

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5. (b) (1) Contents (Continued)

(ii) Dry plutonium metal or metal alloy provided the material will withstand a temperature of 800°C without pressure generating decomposition; or

(iii) Dry plutonium as oxide.

(2) Maximum quantity of material per package

900 grams fissile material and for the contents described in 5(b)(1)(iii) not to exceed twenty (20) curies plutonium.

(c) Fissile Class

II

Minimum transport index
to be shown on label

Fissile Material
Content (grams)

Transport
Index

0 - 49	0.5
50 - 149	0.6
150 - 199	0.8
200 - 399	0.9
400 - 900	1.0

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

7. Expiration date: August 31, 1983.

REFERENCE

General Electric Company application dated July 6, 1967.

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: JUL 12 1979

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