

8005090 161

Form NRC-618  
(12-73)  
10 CFR 71

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

1.(a) Certificate Number 6717	1.(b) Revision No. 3	1.(c) Package Identification No. USA/6717/B	1.(d) Pages No. 1	1.(e) Total No. Pages 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):  Gamma Industries P.O. Box 2543 Baton Rouge, LA 70821	3.(b) Title and identification of report or application:  Nuclear Packaging, Inc. Application dated June 20, 1975, as supplemented
3.(c) Docket No. 71-6717	

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.: 6717-B
- (2) Description

Radiographic device within a protective overpack. The overpack consists of an outer container which is a 10-gallon open head steel drum having a minimum 20-gauge body and cover, welded seams and a clamp-ring type head closure. The void space between the inner and outer container is filled with 1-1/2" thick molded asbestos free liner on sides, top and bottom, plus molded polyurethane filler to position and secure the radiographic device within the drum. Maximum gross weight of the package not to exceed 75 pounds.

(3) Drawings:

The packaging is constructed in accordance with Nuclear Packaging Inc. Drawing No. SK-D-1, Rev. 2.

(b) Contents

(1) Type and form of material

Iridium-192 as sealed sources which meet the requirements of special form as defined in §71.4(o) of 10 CFR Part 71.

5. (b) Contents (continued)

(2) Maximum quantity of material per package

200 Curies of iridium-192.

6. The contents must be secured in a single snug-fitting inner radiographic device which has a metal outer wall and meets the requirements of DOT Specification 7A, Type A general packaging.
7. The source shall be secured in the shielded position of the radiographic device by the shipping plug, source assembly, and locking device. The shipping plug and source assembly used must be fabricated of materials capable of resisting a 1475°F fire environment for one-half hour and maintaining their positioning function. The ball stop of the source assembly must engage the locking device. The flexible cable of the source assembly and shipping plug must be of sufficient length and diameter to provide positive positioning of the source in the shielded position.
8. The packaging authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12(b).
9. Expiration date: August 31, 1980.

REFERENCES

Nuclear Packaging, Inc. application, on behalf of Gamma Industries, dated June 20, 1975.

Supplements dated: August 8, 1975 and February 26, 1980.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

*R H Obergarden*

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

Date: APR 25 1980