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
6703	5	USA/6703/B( )	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)*:

GA Technologies, Inc.
P.O. Box 85608
San Diego, CA 92138

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION:

General Atomic Company application dated December 16, 1974.

c. DOCKET NUMBER 71-6703

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.: RG-1

(2) Description

The package, a thermoelectric generator, is 18 inches high and has a base diameter of 14 inches. The components include the main housing, uranium and tungsten shield, housing flange, electrical connector and lifting lugs. A notch at the base provides the tie-down flange. The 1.75-inch thick cover flange is bolted to the housing by 16 or 20 steel bolts depending on the generator configuration. The electrical receptacle is bolted to the cover flange with an O-ring being provided between the interfaces and on the lateral surface of the feed plug. The lifting lug is threaded into the cover flange and is removable if necessary for an operational installation. Package weight is approximately 800 pounds.

5. (a) Packaging (continued)

(3) Drawing:

The packaging is constructed in accordance with the detailed drawings listed on Gulf General Atomics Generator Assembly Drawing Nos.: D346-3000, Rev. K and J346-3000, Rev. K.

(b) Contents

(1) Type and form of material

Strontium 90 titanate doubly encapsulated in a Type 304L stainless steel liner and Hastelloy C capsule.

(2) Maximum quantity of material per package

8,300 curies.

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

7. Expiration date: May 31, 1990.

REFERENCE

General Atomic Company application dated December 16, 1974.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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

Date: MAY 3 0 1985

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Transportation Certification Branch
Approval Record
Model No. RG-1 Packaging
Docket No. 71-6703

By application dated January 7, 1985, GA Technologies requested renewal of Certificate of Compliance No. 6703. No changes have been requested or made to the package since approval of the original application dated December 16, 1974.

A determination was made after reviewing the drawings listed under Condition 5(a)(3), that Drawing No. J346-300, Rev. K in conjunction with Drawing No. D346-3000, Rev. K provided the same information relative to the 16 bolt configuration as did Drawing No. 1699-0001.

The Certificate of Compliance has been revised to include Drawing No. D346-300, Rev. K. Drawing No. 1699-0001 has been removed from the list (5(a)(3)) along with Drawing Nos. D346-3020, Rev. F and D346-3021, Rev. G since these two drawings are incorporated by reference on Drawing No. D346-3000.

The staff concludes that the statements of the original application of December 16, 1974, satisfies the requirement for renewal of the Certificate of Compliance.

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

Date: MAY 30 1985