



U.S. Department  
of Transportation  
**Pipeline and  
Hazardous Materials  
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0058/S-96, REVISION 9**

East Building, PHH-23  
1200 New Jersey Avenue Southeast  
Washington, D.C. 20590

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - General Electric Hitachi Cf-100 Series.
2. Source Description - Cylindrical double encapsulations made of Type 304L stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 9.4 mm (0.37 in.) in diameter and either 38.1 mm (1.5 in.) or 25.1 mm (0.99 in.) in length. Construction shall be in accordance with attached GE Drawing 106D4306.
3. Radioactive Contents - No more than 74.0 GBq (2.0 Ci) of Californium-252. The Cf-252 is in oxide form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on April 30, 2021.

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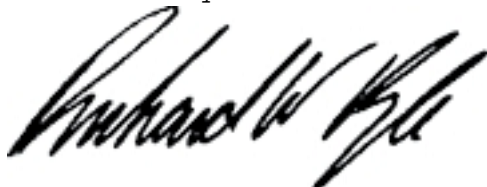
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0058/S-96, REVISION 9**


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the March 29, 2016 petition by GE-Hitachi Nuclear Energy Americas, LLC, Sunol, CA, and in consideration of other information on file in this Office.

Certified By:



**Apr 06 2016**

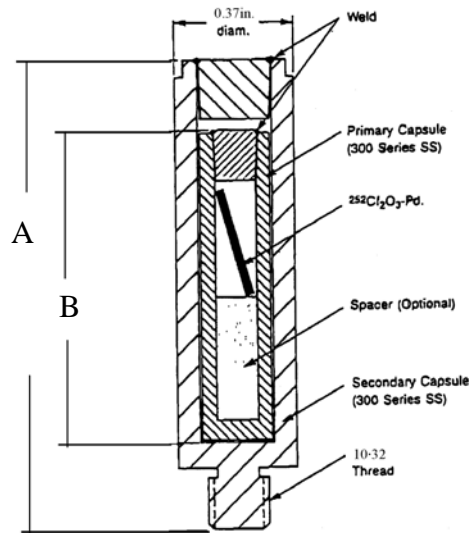
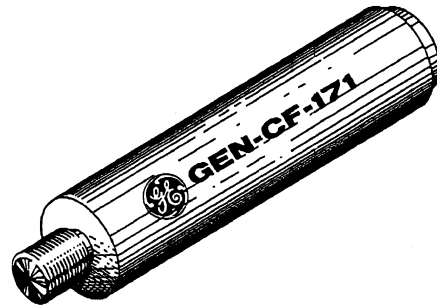
(DATE)

 Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Revision 9 - Issued to extend the expiration date.

GENERAL ELECTRIC  
252 CALIFORNIUM NEUTRON SOURCE  
100 AND 100S SERIES



Ref: GE Drawing  
106D4306  
IAEA Certificate No.  
USA/0058/S-96

TABLE 1		
DIM	100 SERIES	100S SERIES
A	1.5 in	0.99 in
B	0.98 in	0.47 in



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**CERTIFICATE NUMBER:** USA/0058/S-96, Revision 9

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