



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0236/S-96, REVISION 6**

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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - SR-CF-3000 and OR-CF-3000 series neutron sources.
2. Source Description - The sources described by this certificate are TIG-welded double encapsulations with external dimensions of 9.4 mm (0.37 in.) diameter and 53.4 mm (2.1 in.) length. The inner capsule is constructed of a 90 wt% platinum and 10 wt% rhodium alloy. The outer capsule is constructed of Type 304L stainless steel or Zircalloy-2. One end of the outer capsule is threaded to allow the attachment of various handling devices. Construction shall be in accordance with the attached drawing titled "The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source".
3. Radioactive Contents - These neutron sources are authorized to contain up to 1.0 TBq (27 Ci) of Californium-252 as an oxide.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 November 30, 2021.

¹ "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.

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

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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 November 02, 2016 petition by Department of Energy, Washington, DC, and in consideration of other information on file in this Office.

Certified By:



Dec 08 2016

(DATE)

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William Schoonover
Acting Associate Administrator for Hazardous Materials Safety

Revision 6 - Issued to extend the expiration date.

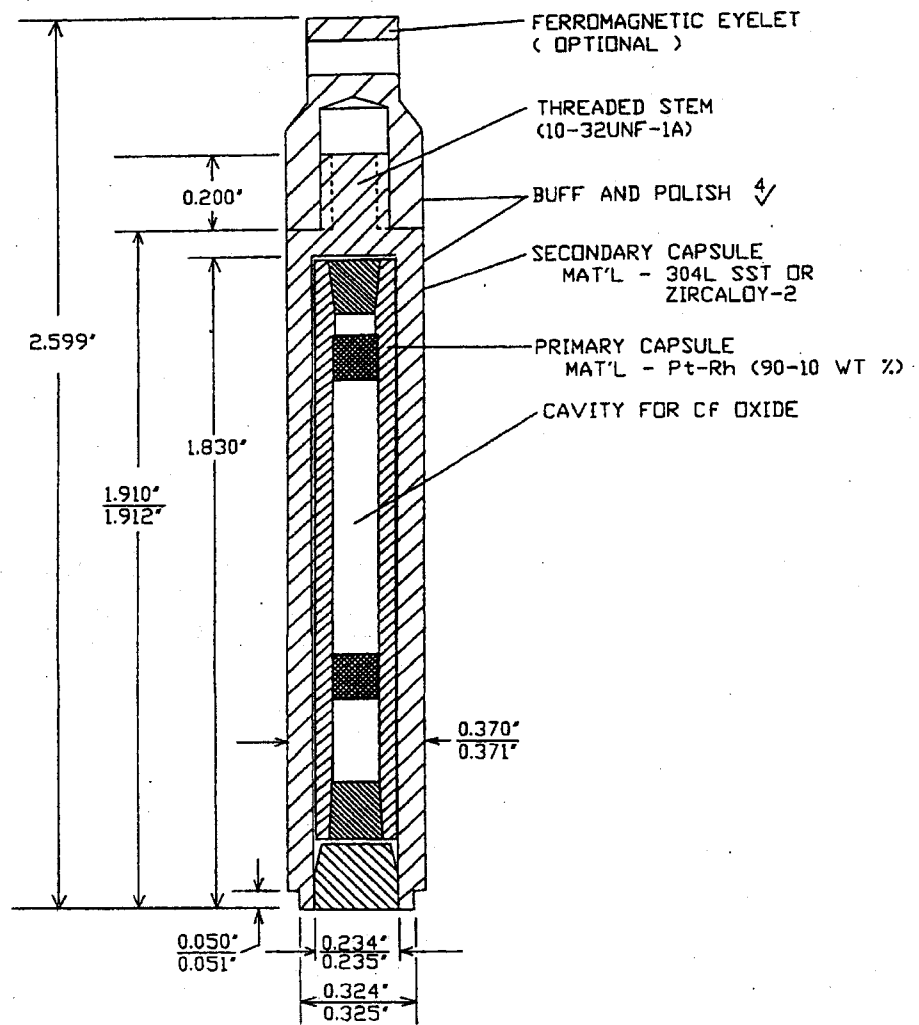


Figure 4. The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source.



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ORIGINAL REGISTRANT(S):

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