



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0141/S-96, REVISION 13

This certifies that the source described has 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 - GE Hitachi Nuclear Energy Neutron Source Model GEN-CF-1X or 2765-AA00.
2. Source Description - Cylindrical single encapsulation made of either Type 304L or 316L stainless steel and tungsten inert gas welded. Approximate outer dimensions are 5.54 mm (0.218 in.) in diameter and 24.9 mm (0.98 in.) in length. Construction shall be in accordance with attached GE Drawing No. 106D4307.
3. Radioactive Contents - No more than 0.2 TBq (5.4 Ci) of Californium-252 as an oxide in the form of a Cf-Pd cermet.
4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations 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 requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on January 31, 2023. Previous editions which have not reached their expiration date may continue to be used.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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


CERTIFICATE USA/0141/S-96, REVISION 13

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the January 19, 2018 petition by GE Hitachi Nuclear Energy, Sunol, CA, and in consideration of other information on file in this Office.

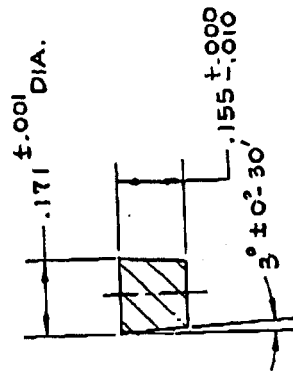
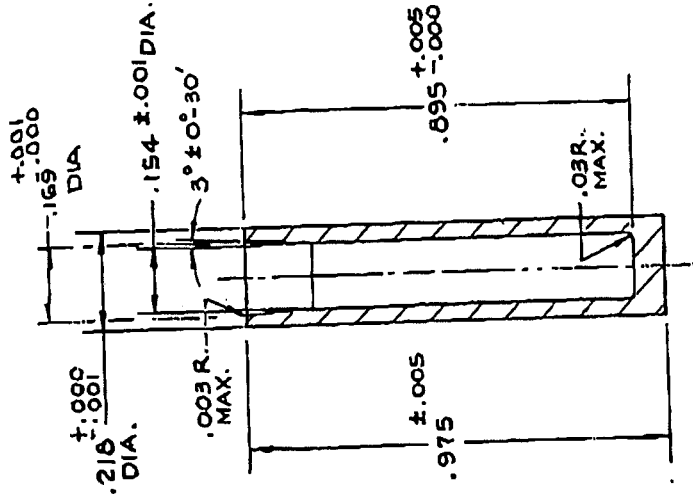
Certified By:



February 02, 2018
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 13 - Issued to extend the expiration date.



- ⑩ 304 L STN. STL.
ASTM A276 OR 479
- ⑫ ZIRCALOY - 2
- ⑬ 316 L STN. STL.
ASTM A479 OR 276

- ⑪ 304 L STN. STL.
ASTM A276 OR 479
- ⑬ ZIRCALOY - 2
- ⑰ 316 L STN. STL.
ASTM A479 OR 276

UNIT	IN/1000
SP	VI
DATE	10/11/68
BY	WJ
CHKD	WJ
APP'D	WJ
REV	1

DESCRIPTION OF GROUP	SYMBOLS	REFER TO
	ECN NG 1999 1	ECN NG-735
	4	ECN NG-735
	5	ECN NG-774
	6	ECN NG-774
	10	10604307
	17	10604307
	18	10604307
	19	10604307
	20	10604307
	21	10604307
	22	10604307
	23	10604307
	24	10604307
	25	10604307
	26	10604307
	27	10604307
	28	10604307
	29	10604307
	30	10604307
	31	10604307
	32	10604307
	33	10604307
	34	10604307
	35	10604307
	36	10604307
	37	10604307
	38	10604307
	39	10604307
	40	10604307
	41	10604307
	42	10604307
	43	10604307
	44	10604307
	45	10604307
	46	10604307
	47	10604307
	48	10604307
	49	10604307
	50	10604307
	51	10604307
	52	10604307
	53	10604307
	54	10604307
	55	10604307
	56	10604307
	57	10604307
	58	10604307
	59	10604307
	60	10604307
	61	10604307
	62	10604307
	63	10604307
	64	10604307
	65	10604307
	66	10604307
	67	10604307
	68	10604307
	69	10604307
	70	10604307
	71	10604307
	72	10604307
	73	10604307
	74	10604307
	75	10604307
	76	10604307
	77	10604307
	78	10604307
	79	10604307
	80	10604307
	81	10604307
	82	10604307
	83	10604307
	84	10604307
	85	10604307
	86	10604307
	87	10604307
	88	10604307
	89	10604307
	90	10604307
	91	10604307
	92	10604307
	93	10604307
	94	10604307
	95	10604307
	96	10604307
	97	10604307
	98	10604307
	99	10604307
	100	10604307

CHKD: ENH 3-6-71



U.S. Department of
Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

CERTIFICATE NUMBER: USA/0141/S-96

ORIGINAL REGISTRANT(S) :

GE Hitachi Nuclear Energy
6705 Vallecitos Rd
Sunol, CA, 94586
USA

Schlumberger
300 Schlumberger Drive
MD-121
Sugar Land, TX, 77478
USA