



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0794/S-96, REVISION 1**

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

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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - BWXT NOG Technologies, Inc. (formerly Babcock & Wilcox Nuclear Energy, Inc.) Model BWSR1.
2. Source Description - Cylindrical double encapsulation made of Type 304L stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 8.64 mm (0.34 in.) in diameter and 38.10 mm (1.50 in.) in length. Construction shall be in accordance with attached BWXT NOG Technologies, Inc. Drawing No. SK-BJV-130313-02, Rev. 1.
3. Radioactive Contents - No more than 30 GBq (0.81 Ci) of Californium-252. The Cf-252 is in the form of a solid metal wire consisting of approximately 99% palladium and 1% californium by weight.
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 June 30, 2018. On January 31, 2017, this certificate supersedes all previous revisions of USA/0794/S-96.

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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/0794/S-96, REVISION 1**

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 September 28, 2016 petition by BWXT NOG Technologies, Inc., Lynchburg, VA, and in consideration of other information on file in this Office.

Certified By:



**Oct 18 2016**

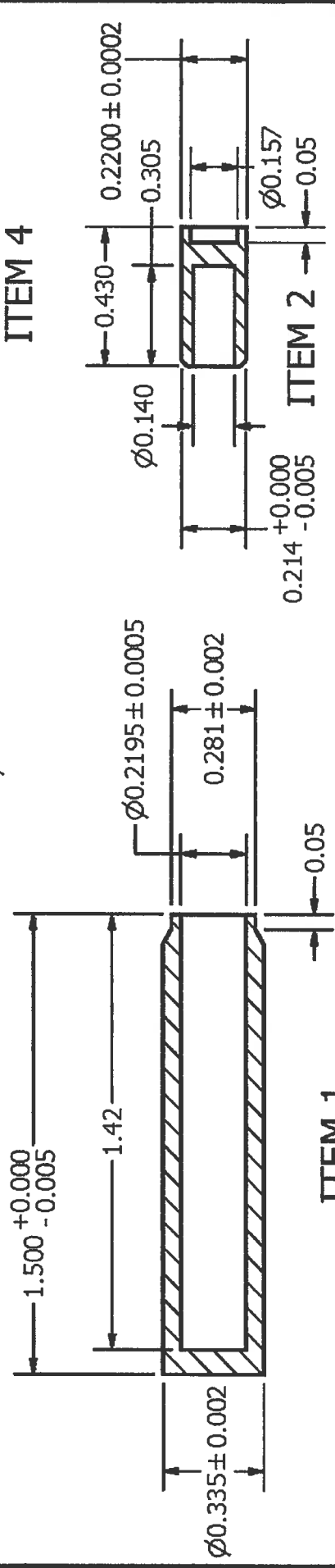
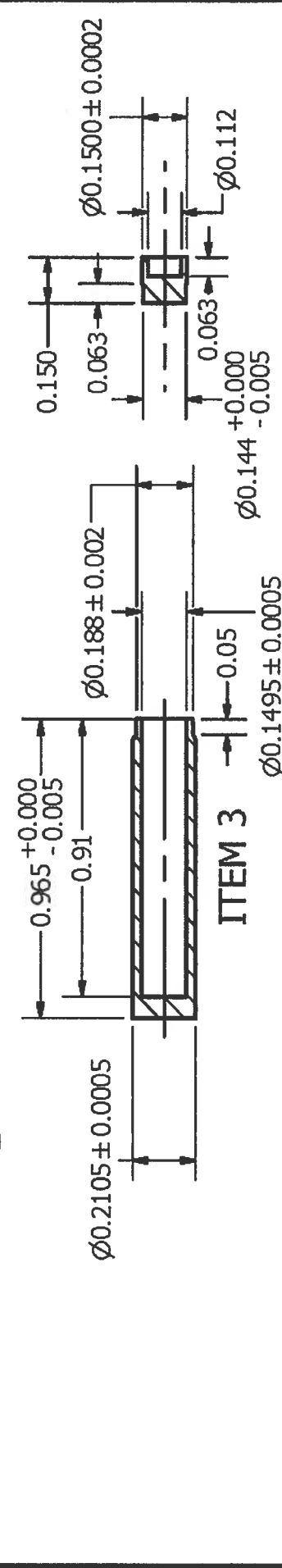
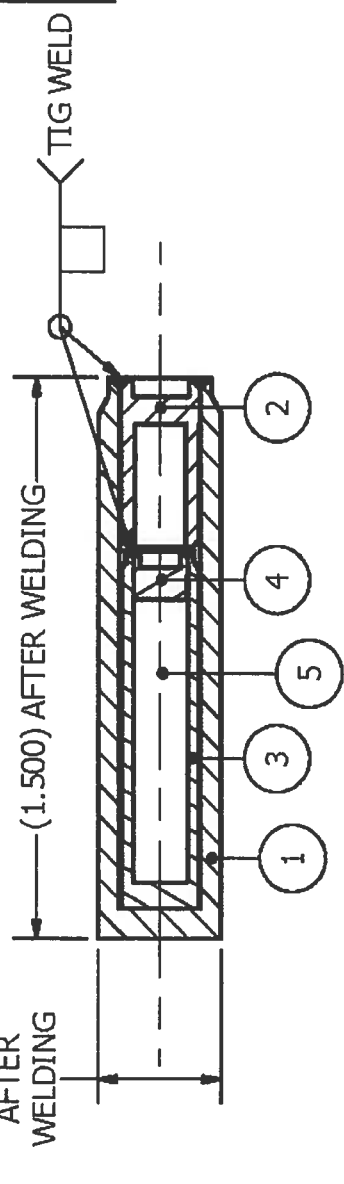
(DATE)

 William Schoonover

Acting Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to update corporate name and drawing.

ITEM	DESCRIPTION	MATERIAL	QTY
1	BODY, ENGRAVED, BWSR1	Stainless Steel, 304L	1
2	LID, BWSR1	Stainless Steel, 304L	1
3	BODY, ENGRAVED, BWIS1	Stainless Steel, 304L	1
4	LID, BWIS1	Stainless Steel, 304L	1
5	ACTIVE MATERIAL		AR



**BWXT**  
 BWXT HOG Technologies, Inc.  
 NUCLEAR MATERIAL & INSPECTION SYSTEMS  
 2010 MT. ATHOS ROAD, LYNCHBURG, VA, 24004

TOLERANCES UNLESS OTHERWISE SPECIFIED  
 X.XX ±0.01  
 X.XXX ±0.005  
 <math>\angle \pm 1^\circ</math>

DWN	vevera, brad]	3/18/2013
CHK		
APP		
QA MGR		

**DESCRIPTIVE DRAWING**  
**BWSR1 CAPSULE ASSEMBLY**

DO NOT SCALE	SCALE	SHEET
	NTS	1
DRAWING NO.		REV.
SK-BJV-130313-02		1



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**CERTIFICATE NUMBER:** USA/0794/S-96, Revision 1

**ORIGINAL REGISTRANT(S):**

Mr. Steve Jensen  
Senior Principal Engineer  
BWXT NOG Technologies, Inc.  
BWXT NOG Technologies, Inc  
2016 Mt. Athos Road  
Lynchburg, VA 24504