



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/0794/S-96, REVISION 2

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. 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 February 28, 2025. Previous editions which have not reached their expiration date may continue to be used.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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 2**

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 27, 2020 petition by BWX Technologies, NOG, Lynchburg, VA, and in consideration of other information on file in this Office.

Certified By:

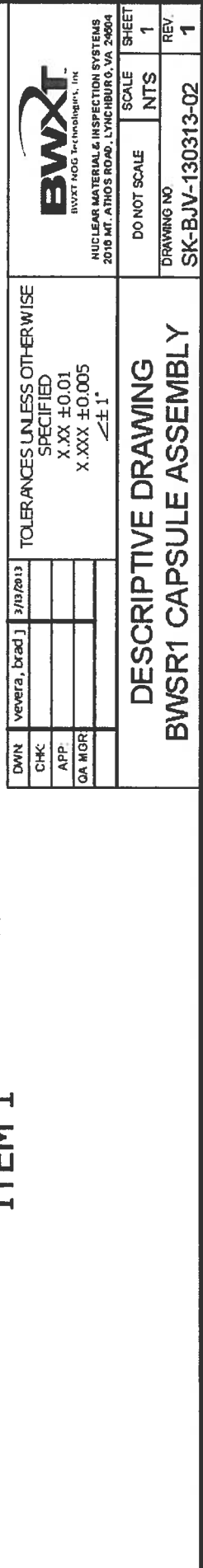
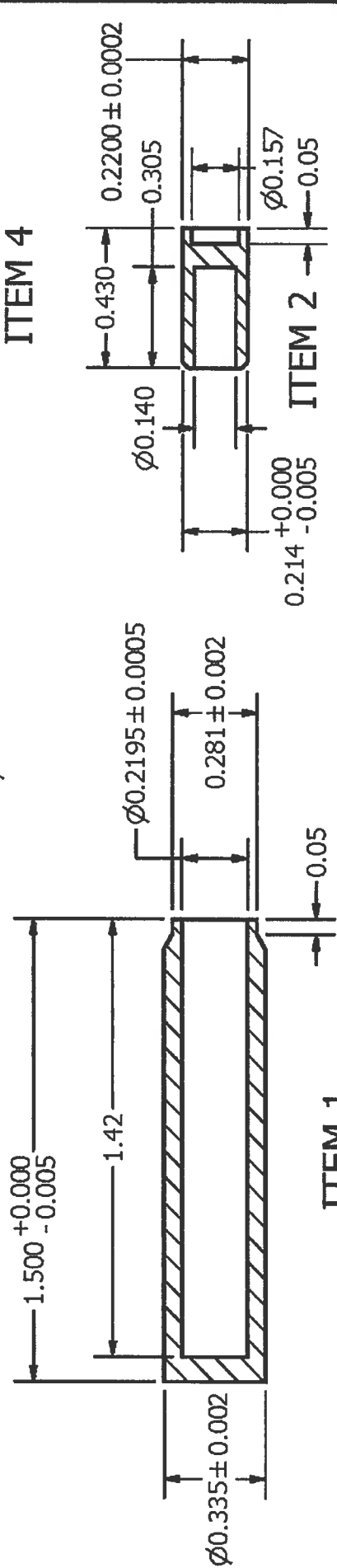
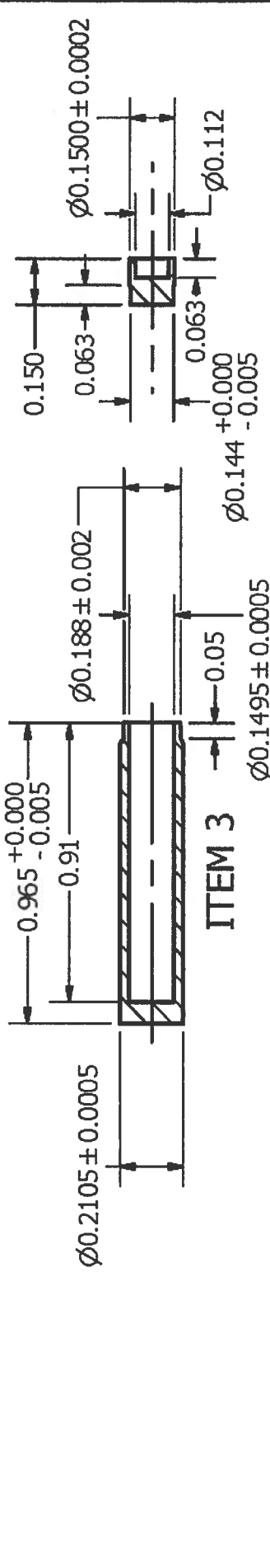
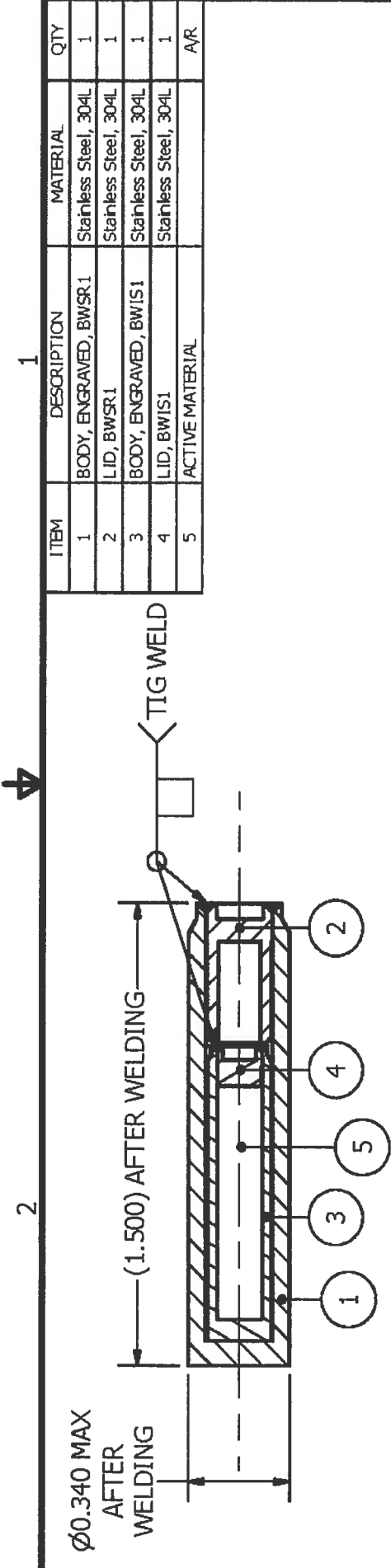


February 25, 2020

(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 2 - Issued to reactivate expired certificate.



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

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

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

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

DO NOT SCALE  
 SCALE NTS  
 SHEET 1  
 REV. 1

DRAWING NO.  
 SK-BJV-130313-02

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



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**CERTIFICATE NUMBER:** USA/0794/S-96

**ORIGINAL REGISTRANT(S) :**

BWX Technologies, NOG  
P.O. Box 785  
Lynchburg, VA, 24505-0785  
USA