



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/0795/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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - BWXT NOG Technologies, Inc. (formerly Babcock & Wilcox Nuclear Energy, Inc.) Model BWSS1.
2. Source Description - Cylindrical double encapsulation made of Type 304L stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 9.42 mm (0.37 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-130313-01, Rev. 1.
3. Radioactive Contents - No more than 40 GBq (1.08 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.

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.

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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:

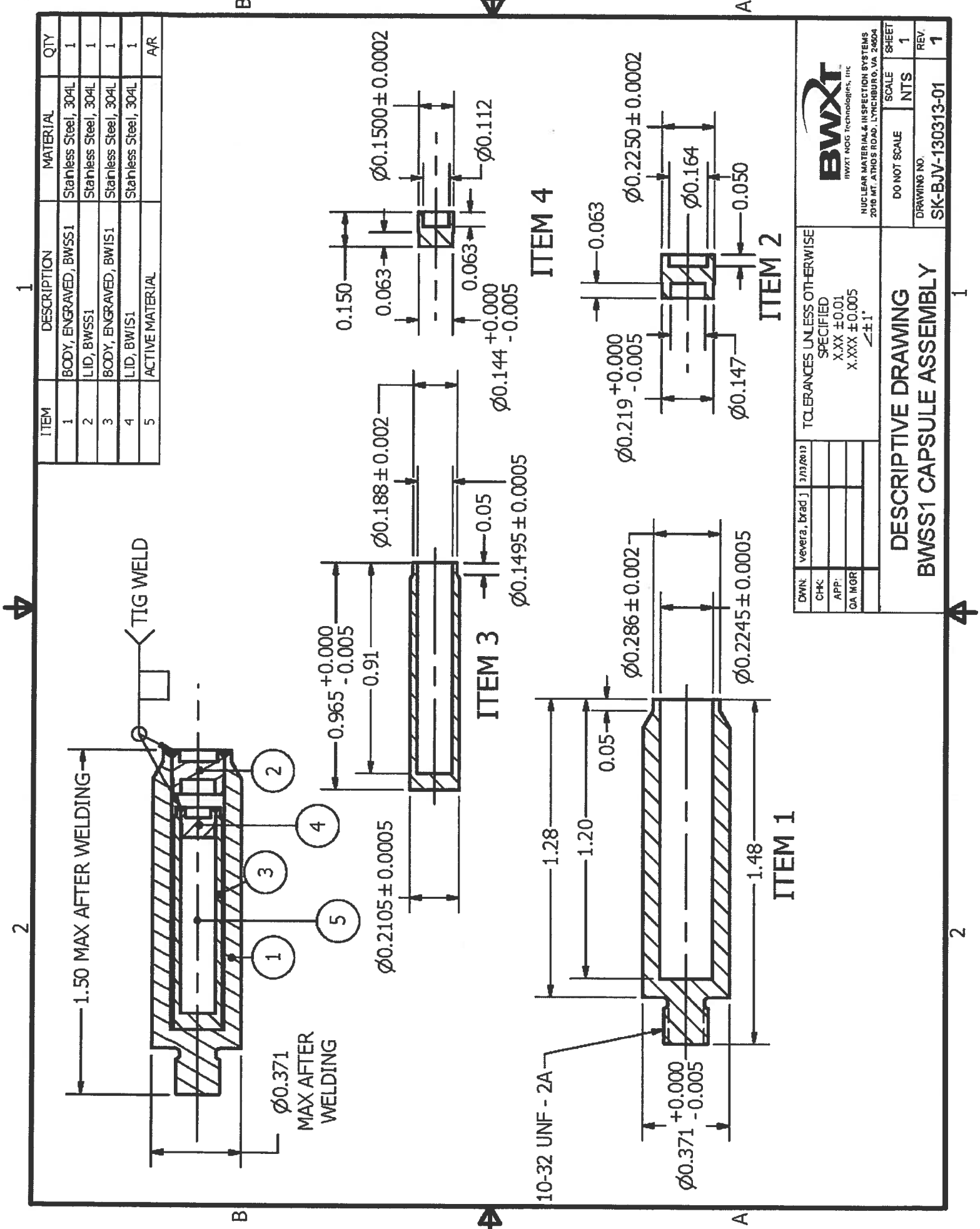


February 25, 2020

(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 2 - Issued to reactivate expired certificate.



ITEM	DESCRIPTION	MATERIAL	QTY
1	BODY, ENGRAVED, BWSS1	Stainless Steel, 304L	1
2	LID, BWSS1	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 j	3/13/2013	TOLERANCES UNLESS OTHERWISE SPECIFIED	SCALE	SHEET
CHK:		X.XX ± 0.01	DO NOT SCALE	1
APP:		X.XXX ± 0.005	NTS	1
QA MGR:		$\pm 1\%$	DRAWING NO.	REV.
DESCRIPTIVE DRAWING BWSS1 CAPSULE ASSEMBLY			SK-BJV-130313-01	1



1.50 MAX AFTER WELDING

Ø0.371 MAX AFTER WELDING

TIG WELD

Ø0.2105 ± 0.0005

Ø0.188 ± 0.002

Ø0.1495 ± 0.0005

Ø0.144 +0.000 -0.005

0.150

0.063

0.063

Ø0.1500 ± 0.0002

Ø0.112

ITEM 1

1.28

1.20

0.05

10-32 UNF - 2A

Ø0.371 +0.000 -0.005

Ø0.286 ± 0.002

Ø0.2245 ± 0.0005

Ø0.219 +0.000 -0.005

Ø0.147

Ø0.2250 ± 0.0002

Ø0.164

0.050

ITEM 2

ITEM 3

ITEM 4

ITEM 5

1

2

A

B



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CERTIFICATE NUMBER: USA/0795/S-96

ORIGINAL REGISTRANT(S) :

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