



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/0065/S-96, REVISION 11

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 - Model SR CF-1000 Series neutron sources manufactured by either the Savannah River Laboratory or the Oak Ridge National Laboratory.
2. Source Description - Cylindrical single encapsulation made of Type 304L stainless steel and inert gas seal welded. Approximate outer dimensions are 30.2 mm (1.19 in.) in diameter and 95.3 mm (3.75 in.) in length. A lifting stem on one end measures an additional 44.5 mm (1.75 in.) in length. Minimum wall thickness is 1.15 mm (0.045 in.). Construction shall be in accordance with attached E.I. Du Pont De Nemours and Co., Inc. Drawing No. ST3-18567, dated 9/10/75.
3. Radioactive Contents - No more than 1.9 TBq (52.0 Ci) of Californium-252 in the form of an oxide or 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.

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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/0065/S-96, REVISION 11**

5. Expiration Date - This certificate expires on June 30, 2025. Previous editions which have not reached their expiration date may continue to be used.

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 May 1, 2020 petition by Department of Energy, Washington, DC, and in consideration of other information on file in this Office.

Certified By:

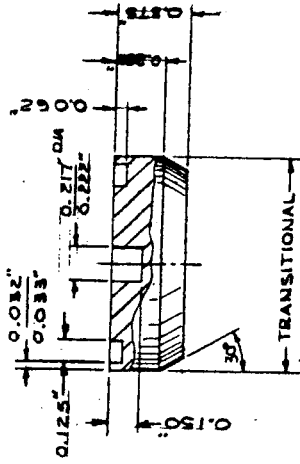
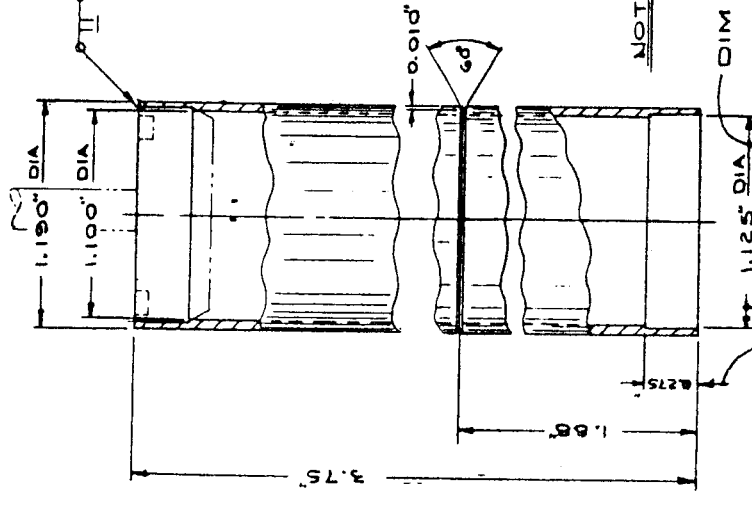
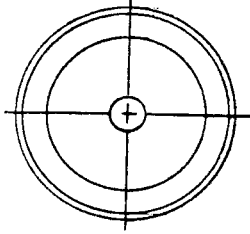
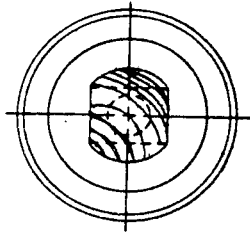
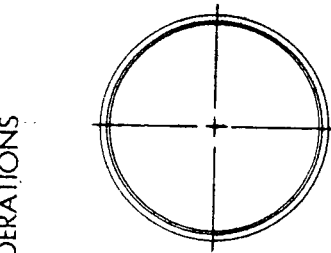


June 12, 2020  
\_\_\_\_\_  
(DATE)

*WJS*  
\_\_\_\_\_  
William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 11 - Issued to extend the expiration date.

Analyze this part for  
SAFETY CONSIDERATIONS



**CAP**  
 MAT'L: 304 L SST STS-18567  
 REQ'D: 1-AS SHOWN  
 1-WITHOUT 0.217/0.222 DIA

FINISH ALL MACHINED SURFACES U O S	TOLERANCES ON ALL DIMENSIONS UNLESS OTHERWISE NOTED SHALL BE ONE PLACE DECIMALS OR FRACTIONAL ± 0.005 ANGULAR ± 0.50
BREAK ALL SHARP EDGES U O S	ONE PLACE DECIMALS OR FRACTIONAL ± 0.005 ANGULAR ± 0.50
PH FINISHES IN THIS DRAWING SHALL BE TO THE ACCEPTABLE EQUIVALENT VALUE BY A. A. WELD INCHES	

**STEM & BALL**  
 MAT'L: 17-4PH SST  
 REQ'D: 1

**NOTE:**  
 1- BUFF - POLISH ALL OUTSIDE SURFACES, ALL PIECES.

DIM "A"

TYPICAL BOTH ENDS

**BODY**  
 MAT'L: 304 L SST  
 REQ'D: 1

~~THIS DRAWING CONTAINS INFORMATION PERTAINING TO THE DESIGN AND DEVELOPMENT OF A PRODUCT WHICH IS BEING REPRODUCED OR RELEASED WITHOUT THEIR APPROVAL~~

NO.	REV.	DATE	DESCRIPTION

U. S. ATOMIC ENERGY COMMISSION  
 E. I. DU PONT DE NEMOURS & CO., INC.  
 SAVANNAH RIVER PLANT PROJECT

PROJECT NO. EST-037502

77-5-A

DATE 9-10-75 SCALE 2X FULL

TITLE SR-CF 1000 SERIES SHIPPING CONTAINER

PROJECT NO. STS-18567

DESIGNED BY A.R. BOULOGNE  
 DRAWN BY H.G. NAYE  
 CHECKED BY J.C. STEIN 9-9-75  
 APPROVED BY J.C. STEIN 9-9-75  
 APPROVED BY J.C. STEIN 9-9-75

FOR CODE: 20-61-13-00-20



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**CERTIFICATE NUMBER:** USA/0065/S-96

**ORIGINAL REGISTRANT(S) :**

Department of Energy  
U.S. Department of Energy  
1000 Independence Ave, SW  
EM-60  
Washington, DC, 20585  
USA