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

U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0292/S-96, REVISION 10

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency[1] and the United States of America[2] for the transport of radioactive material.

1. Source Identification - Neutron Products, Inc. Model Nos. NPI-XX-XXXX, NPI-XX-XXXXW, NPI-XX-XXXXR, NPI-XX-XXXXCR, and NPI-XX-XXXXRC; where XX represents the nominal diamter in mm, XXXX respresents the nominal source intensity in roentgens per hour at one meter, and W, R, CR, and RC represent the form of the radioactive contents.

2. Source Description - Cylindrical double encapsulations made of Type 304L or Type 316L stainless steel. Approximate outer dimensions are between 23.6 mm (0.93 in.) and 38.0 mm (1.50 in.) in diameter and between 33.0 mm (1.30 in.) and 42.0 mm (1.65 in.) in length. An internal tungsten shield may be used on the Model NPI-XX-XXXXW and a stainless steel inner shield may be used on the Model NPI-XX-XXXX. Construction shall be in accordance with attached Neutron Products Inc. Drawing No. 200383.

3. Radioactive Contents - No more than 444.0 TBq (12,000.0 Ci) of Cobalt-60 for the Model Nos. NPI-XX-XXXX and NPI-XX-XXXXW. The Co-60 is in the form of metal wafers or a solid slug. No more than 555.0 TBq (15,000.0 Ci) of Cobalt-60 for the Model Nos. NPI-XX-XXXXR, NPI-XX-XXXXCR, and NPI-XX-XXXXRC. The Co-60 is in the form of metal wafers, metal casting, or metal rods.

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[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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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 September 30, 2026. 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 September 15, 2021 petition by Neutron Products, Inc., Dickerson, MD, and in consideration of other information on file in this Office.

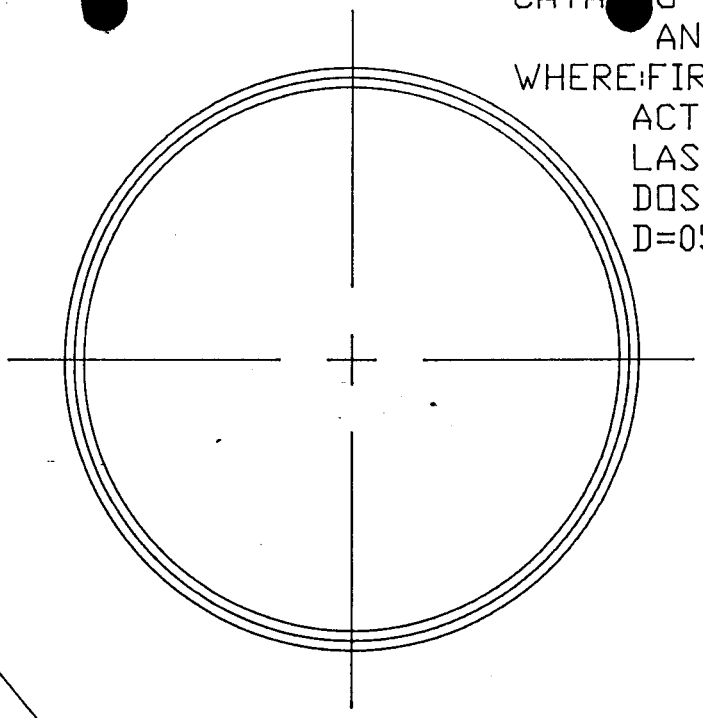
Certified By:

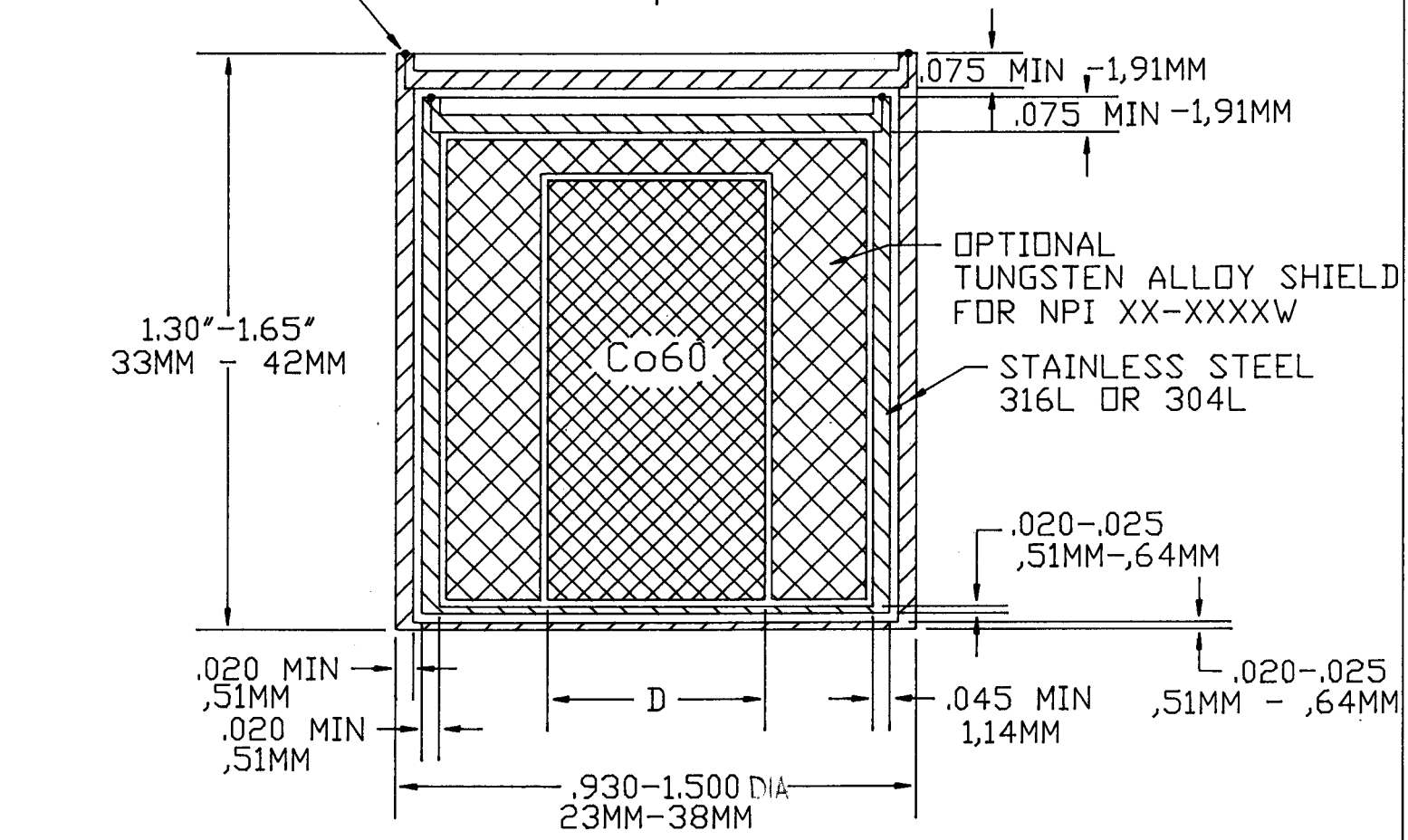
William Schoonover
Associate Administrator for Hazardous Materials Safety

September 24, 2021
(DATE)

Revision 10 - Issued to extend the expiration date.

CATALOG No NPI XX-XXXX
AND NPI XX-XXXXW
WHERE: FIRST TWO DIGITS ARE
ACTIVE DIAMETER(D) IN MM
LAST DIGITS EQUAL THE
DOSERATE IN RHM
D=05, 10, 15, 20 OR 25MM





UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	**NEUTRON PRODUCTS INC**		
TOLERANCES ANGULAR DECIMAL FRACTIONAL	TITLE: TELETHERAPY SOURCE	APPROVED	ISSUED DATE
DRAWN JG 1-31-97		SIZE A	DWG. NO. 200383 REV
DESIGN MT 1-31-97		SCALE 2/1	SHEET 1 OF 1
CHECKED 1/31/97			

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CERTIFICATE NUMBER: USA/0292/S-96

ORIGINAL REGISTRANT(S):

Neutron Products, Inc.
22301 Mt. Ephraim Road
P.O. Box 68
Dickerson, MD, 20842
USA