

U.S. Department of Transportation

## IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS

Pipeline and Hazardous Materials Safety Administration CERTIFICATE USA/0159/S-96, REVISION 9

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 $^1$  and the United States of America $^2$  for the transport of radioactive material.

- 1. Source Identification E.I. Dupont/NEN Model NER-478C.
- 2. Source Description Cylindrical single encapsulation containing a tungsten insert to which the vitreous ceramic source material is fused. Capsule, including window, is constructed of CRES Type 316L stainless steel, with tungsten inert gas welding. Capsules are 7.9 mm (0.31 in.) to 15.2 mm (0.60 in.) in diameter and 5.1 mm (0.20 in.) to 8.1 mm (0.32 in.) in length. Gamma window thickness is approximately 0.25 mm (0.010 in.). Sources must conform to attached New England Nuclear Corp. Drawing No. 313-301.
- 3. Radioactive Contents No more than 0.074 TBq (2.0 Ci) of Americium-241 as a vitreous ceramic.
- 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 July 31, 2026. 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.

 $<sup>^2</sup>$  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 May 26, 2021 petition by J.L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

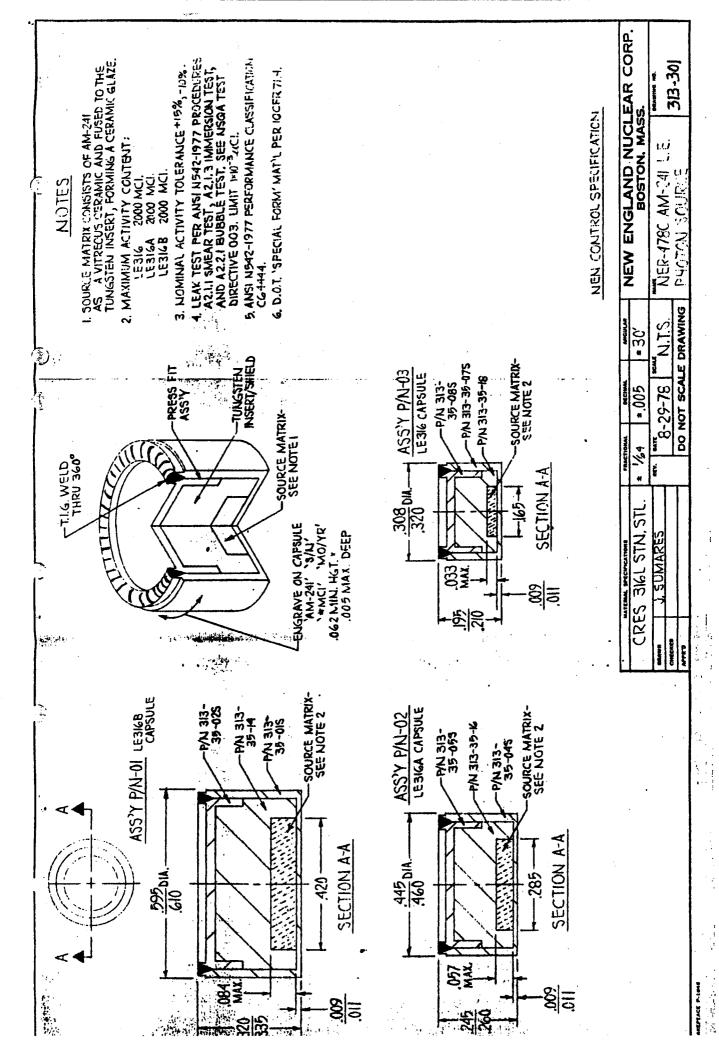
Certified By:

William Schoonover
Associate Administrator for Hazardous

July 02, 2021 (DATE)

Materials Safety

Revision 9 - Issued to extend the expiration date.





## U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration

CERTIFICATE NUMBER: USA/0159/S-96

## ORIGINAL REGISTRANT(S):

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