



U.S. Department  
of Transportation  
  
Research and  
Special Programs  
Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0277/S, REVISION 3**

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<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive materials.

1. Source Identification - Neutron Products Model Nos. BN-450-14 and BN-450-14-A.
2. Source Description - The sources described by this certificate are doubly encapsulated stainless steel, fusion welded sources, as described in Neutron Products, Inc. drawing number 200249, Revision B for Model BN-450-14 and drawing number 200249, Revision E (copy attached) for Model BN-450-14-A. Both models are 451 mm (17.75 in) in length and 14.3 mm (0.56 in) in diameter.
3. Radioactive Contents - These sources consist of not more than 740 TBq (20,000 Ci) of Co-60 as metal. The Co-60 is in the form of a stainless steel covered cobalt coil, with one or more singly encapsulated cobalt slugs inserted along the axis of the coil.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires January 31, 2004.

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1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

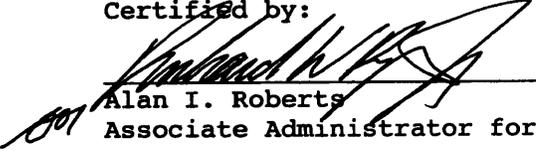
2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

**CERTIFICATE USA/0277/S, REVISION 3**

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated May 7, 1998 submitted by Neutron Products Inc., Dickerson, MD, and in consideration of other information on file in this Office.

Certified by:

FEB 16 1999

  
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Alan I. Roberts

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(DATE)

Associate Administrator for Hazardous Materials Safety

Revision 3 - Issued to extend the expiration date, and to update to the 1985 IAEA regulations.

