

Special Programs

Administration

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

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0630/S, REVISION 0

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 and the United States of America for the transport of radioactive materials.

- 1. Source Identification GE Neutron Source under Contract No. NAS 3-8244.
- 2. <u>Source Description</u> Spherical welded double encapsulation of Type 304 stainless steel. Outside diameter of 61.0 mm (2.40 in). Inside diameter of inner capsule is 54.6 mm (2.15 in). Inner capsule consists of a hemispherical shell and a truncated hemispherical shell welded together. Contents are in shape of a hemisphere and a truncated hemisphere separated by a steel leaf spring; separation distance between the two hemispheres is 6.35 mm (0.25 in). Construction is in accordance with IPO/VAL Drawing No. 104B2856 (attached).
- 3. <u>Radioactive Contents</u> Not more than 1.9 TBq (51.3 Ci) of Americium-241 mixed with beryllium powder.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 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 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 August 31, 2003.

^{1 &}quot;Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," 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 804 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 1, 2003 submitted by NASA John H. Glenn Research Center, Cleveland, OH, and in consideration of other information on file in this Office.

Certified by:

Charles N. Hachman Robert A. McGuire

Associate Administrator for Hazardous Materials Safety

Revision 0 - Issued for a one-time shipment.

MAY -9 2003

(DATE)

