



U.S. Department
of Transportation
Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0149/S, REVISION 6

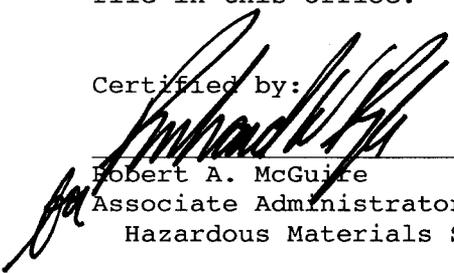
400 Seventh Street, S.W.
Washington, D.C. 20590

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 Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - Gulf Nuclear Model AmBe 71-2A source capsules manufactured prior to March 8, 1988.
2. Source Description - Source capsule is a welded double encapsulation constructed of stainless steel. The outer capsule measures a minimum of 25.4 mm (1.0 in.) in diameter and a maximum of 203.0 mm (8.0 in.) in length. Source capsule must have been constructed in accordance with attached Gearhart Drawing No. 003-4706-014, Rev. 1.
3. Radioactive Contents - The source capsule contains not more than 0.74 TBq (20.0 Ci) of Americium-241 mixed with beryllium as pellets.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 July 31, 2010.

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 July 12, 2005 submitted by AEA Technology QSA, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified by:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JUL 13 2005

(DATE)

Revision 6 - Issued to extend the expiration date.

1 "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.

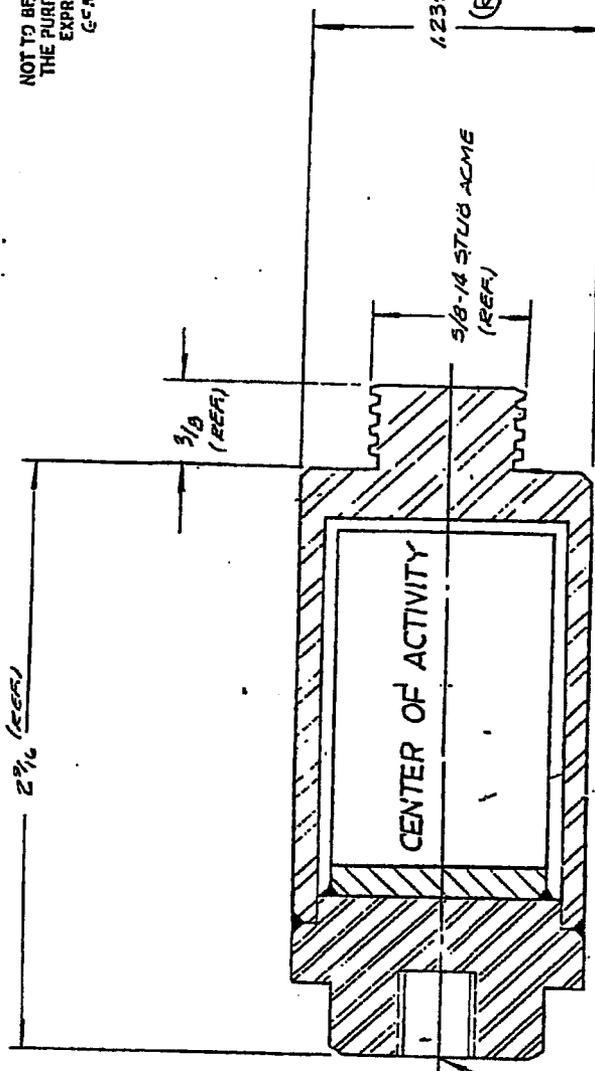
DWG. NO. 003-4706-014 SH, REV.

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	ECO 11731	12-3-83	<i>[Signature]</i>

PROPRIETARY & TRADESECRET INFORMATION

NOT TO BE DISCLOSED FOR USE OTHER THAN THE PURPOSE OF YOUR CUSTODY WITHOUT EXPRESS WRITTEN PERMISSION OF GEARHART INDUSTRIES INC.



5/16-18 (REF.)

NOTES:
 △ MATL: VENDOR FURNISHED FROM GULF NUCLEAR INC.

QTY	CODE	PART OR IDENTIFYING NO.	QUANTITATIVE OR DESCRIPTION	MATERIAL SPECIFICATION
			PARTS LIST	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES FRACTIONS DECIMALS ANGLES				
2/16 1/32 0.015 0.005				
MATERIAL △				
FINISH N/A				
DO NOT SCALE DRAWING				
003-4710-001		SOURCE HOLDER ASSY, W/ 20 Ci. AM-241 / BE		
REV. 1	DATE 12-3-83	APPROVALS	DATE 1-1-79	DWG. NO. 003-4706-014
		DRWY <i>[Signature]</i>	2-25-78	REV. 1
		CHEKED JCP	1-1-79	
		ISSUED <i>[Signature]</i>	10-11-78	
			SCALE 2/1	SHEET 1/1