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

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

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

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 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 regulations[1] 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:

JUL 13 2005

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

(DATE)

Revision 6 - Issued to extend the expiration date.

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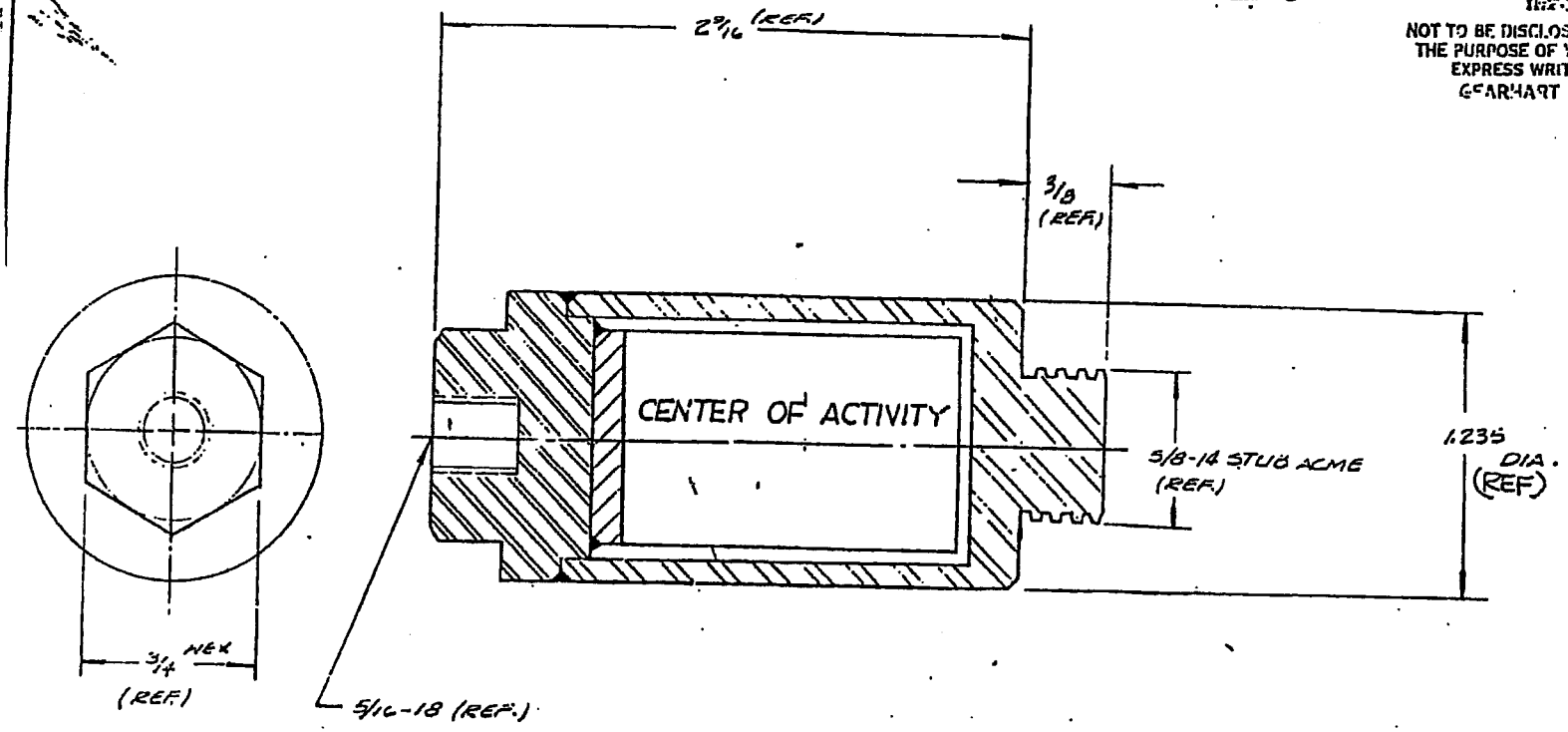
1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

DWG. NO. 003-4706-014 | SH. | REV. 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	ECO 11731 R	12-3-83	

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



NOTES:

△ MATL: VENDOR FURNISHED FROM GULF NUCLEAR INC.

MAR 13 1985

QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION

PARTS LIST

NEXT ASSY	USED ON
003-4710-001	

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/64 DECIMALS .XX ±.010 .XXX ±.005 ANGLES ±30'

MATERIAL △

FINISH N/A

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS	DATE
DRAWN [illegible]	7-22-79
CHECKED JCP	7-1-79
ISSUED [illegible]	10-11-79

GEARHART

SOURCE HOLDER ASSY, W/ 20 Ci. AM-241 / BE

SIZE	FSCM NO.	DWG. NO.	REV.
B		003-4706-014	1

SCALE 2/1 SHEET 1

SHOP GRAPHICS/ACCUPRESS ORDER NO. A-1843