



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0114/S-96, REVISION 8**

East Building, PHH-23
1200 New Jersey Avenue Southeast
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 material.

1. Source Identification - Gulf Nuclear, Inc. Model No. AmBe 71-1 (Manufactured prior to 1988).
2. Source Description - Cylindrical double encapsulation made of stainless steel. Approximate external dimensions are from 19 mm (0.75 in.) to 31 mm (1.25 in.) in diameter and from 24.4 mm (1.0 in.) to 79 mm (3.13 in.) in length. The end plugs of the inner and outer capsules are sealed by heliarc welds. The outer capsule has a wall thickness of 1.5 mm (0.06 in.). Construction shall be in accordance with attached Gulf Nuclear, Inc. Drawing No. PL-01.
3. Radioactive Contents - No more than 0.18 TBq (5 Ci) of Americium-241 in an oxide form mixed with beryllium powder.
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 in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on January 31, 2018.

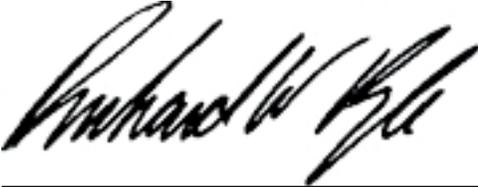
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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

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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 December 06, 2012 petition by Los Alamos National Laboratory Off-Site Source Recovery Project, Los Alamos, NM, and in consideration of other information on file in this Office.

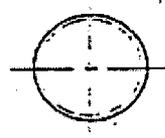
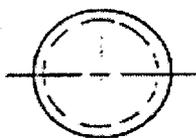
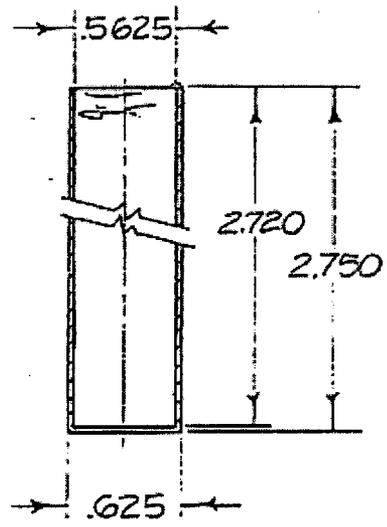
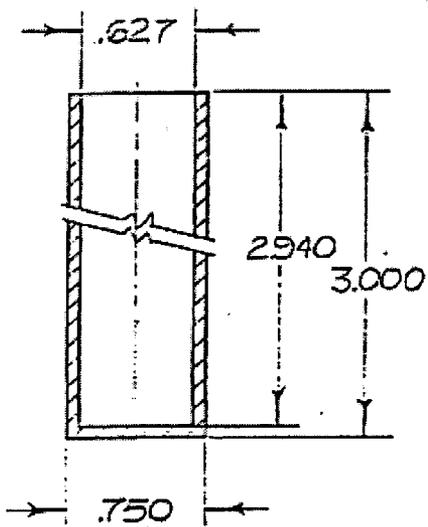
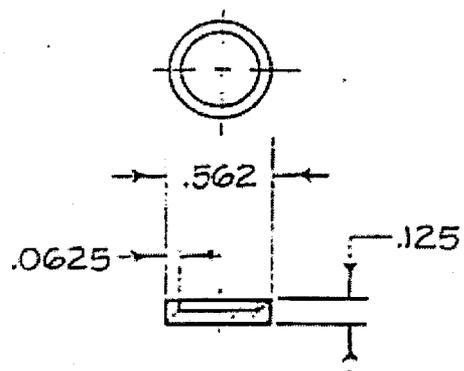
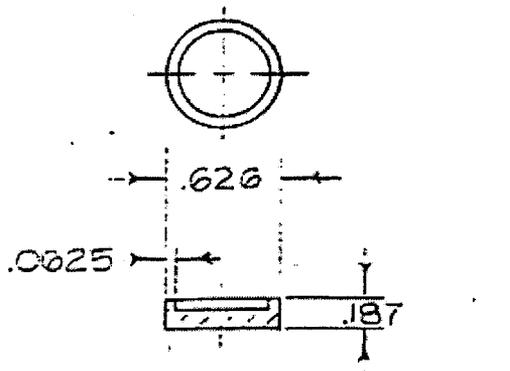
Certified By:



Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Jan 24 2013
(DATE)

Revision 8 - Issued to extend the expiration date.



NOTE: PRESS FIT LIDS

REVISIONS			GULF NUCLEAR, INC.		
NO.	DATE	BY	AMBE 71-150i		
1					
2					
3			DRAWN BY L.A.	SCALE FULL	MATERIAL 17-4 PH SS
4			CHK'D	DATE 11-24-81	DRAWING NO.
5			TRACED	APP'D	PL-01



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1200 New Jersey Avenue SE
Washington, D.C. 20590

**Pipeline and
Hazardous Materials
Safety Administration**

CERTIFICATE NUMBER: USA/0114/S-96, Revision 8

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