



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.

CERTIFICATE USA/0114/S-96, REVISION 8

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:

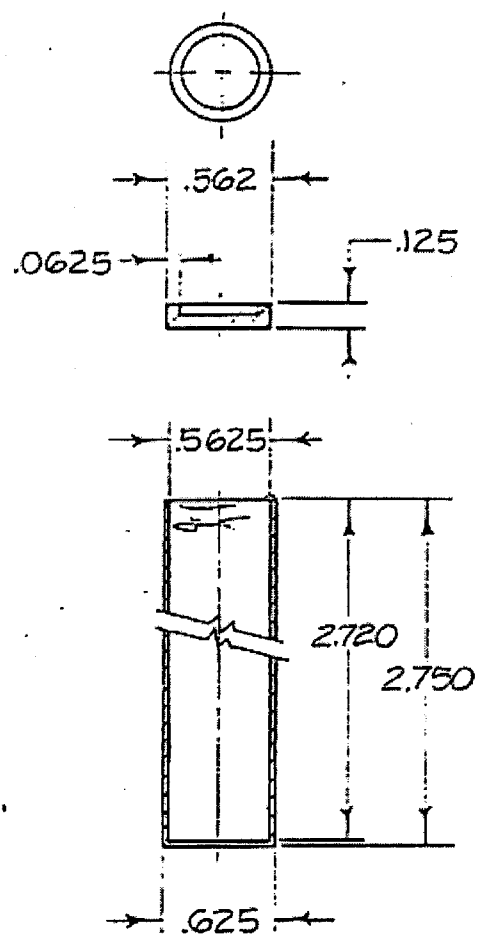
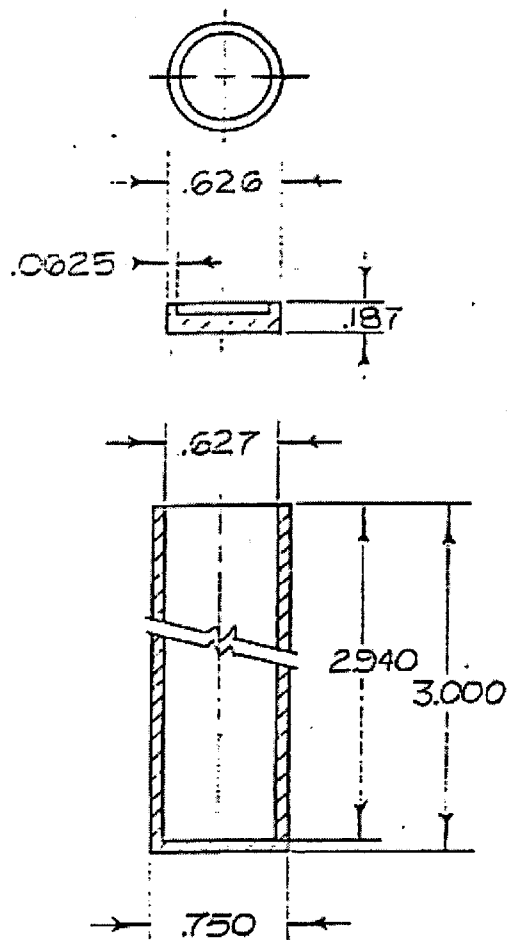


 Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

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			DRAWN BY L.A. SCALE FULL MATERIAL 17-4 PH SS		
2					
3			CHK'D	DATE 11-24-81	DRAWING NO.
4			TRACED	APP'D	PL-01
5					



U.S. Department
of Transportation

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

Pipeline and
Hazardous Materials
Safety Administration

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

ORIGINAL REGISTRANT(S):

Ms. Cristy Abeyta
Technical Staff Member, Environmental Scientist
Los Alamos National Laboratory Off-Site Source Recovery Project
P.O. Box 1663, Mail Stop: J552
Los Alamos National Laboratory
Los Alamos, 87545
USA

Mr. John Zarling, Ph.D.
OSRP Program Manager
Los Alamos National Laboratory Off-Site Source Recovery Project
International Threat Reduction Group NEN-3
Off-Site Source Recovery Project
P.O. Box 1663, Mail Stop:E521
Los Alamos, 87545
USA

REGISTERED USER(S):

Ms. Lori Podolak
Product Licensing Specialist
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

David Huber
Radiation Safety Officer
Baker Hughes Baker Atlas
P. O. Box 670968
Houston, 77267
USA

Ms. Elizabeth Foltz
Manager, Global Radiation and Explosives Safety
Halliburton
3000 North Sam Houston Parkway, East
Houston, 77032
USA

Sean Hunt
Stuart Hunt & Associates Ltd
20 Rayborn Crescent St.
Alberta, Canada T8N 5C1
Canada

Mr. Timothy McLaughlin
Radiation Safety Officer
Schlumberger
300 Schlumberger Drive
Sugar Land, 77478
USA

Ms. Cathleen Roughan
Director, Regulatory Affairs and QA
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

Mr. Darrell Liles
U.S. Geologic Survey
Department of the Interior
P.O. Box 25046 (MS-974)
Denver, CO 80225-0046

Mr. Michael Fuller
Regulatory Compliance Associate
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

Mr. Larry Stuhl
Hazardous Materials Transportation Officer
Pacific Northwest National Laboratory
Environmental Services
902 Battelle Blvd
P.O. Box 999, MSIN J2-25
Richland, WA 99352

Mr. Brian Peterson
U.S. Operations Manager
Century Geophysical Corporation
1223 S. 71st E. Ave.
Tulsa, OK 74112

Mr. Mick Peterson
Jet West Geophysical Services
P.O. Box 3522
Farmington, NM 87499

WK Hawkins
President
Comprobe, Inc.
9632 Crowley Rd.
Fort Worth, TX 76134

Cameron Musgrave
Senior Radiation Safety Technician, Quality Management Representative
Stuart Hunt & Associates Ltd
5949 Ambler Drive
Mississauga, Ontario L4W 2K2
Canada

Mr. Steve Woods
Global Radiation and Explosives Safety
Halliburton
1015 W Bois D Arc Ave
Duncan, OK 73536

Mr. Neil Walters
Global Radiation and Explosives Safety
Halliburton
3300 N. Sam Houston Parkway East
Houston, TX 77032

Jim Elrod
Radiation Safety Officer
Baker Hughes Baker Atlas
2001 Rankin Road
Houston, TX 77073

Thomas Bracke
RSO
Schlumberger
Princeton Technology Center
20 Wallace Road
Princeton Junction, NJ 08550