



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0174/S-96, REVISION 9

East Building, PHH-23  
1200 New Jersey Ave, SE  
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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - Gulf Nuclear, Inc. Model No. CS-2. All sources authorized by this certificate shall have been manufactured prior to January 11, 1988.
2. Source Description - The source is a heliarc welded double encapsulation of stainless steel with maximum diameter of 8.7 mm (0.344 in.) and a length of 30.6 mm (1.205 in.). The minimum wall thickness of the outer capsule is 0.66 mm (0.026 in.), and that of the inner capsule is 0.76 mm (0.030 in.). The source shall be manufactured in accordance with attached Gulf Nuclear, Inc. Drawing No. A-39-A.
3. Radioactive Contents - Not more than 74 GBq (2.0 Ci) of Cesium-137 in the form of solid microsphere resin pellets.
4. Management System Activities - Records of Management System activities required by Paragraph 306 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 in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0174/S-96, REVISION 9**

5. Expiration Date - This certificate expires on November 30, 2026. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the November 1, 2021 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

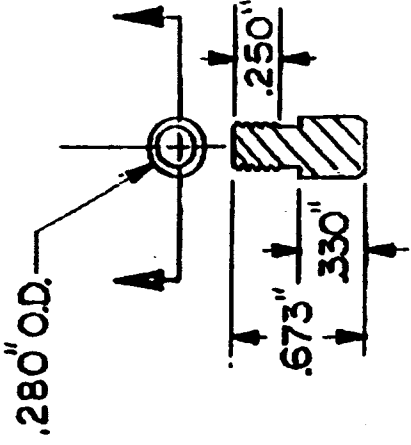
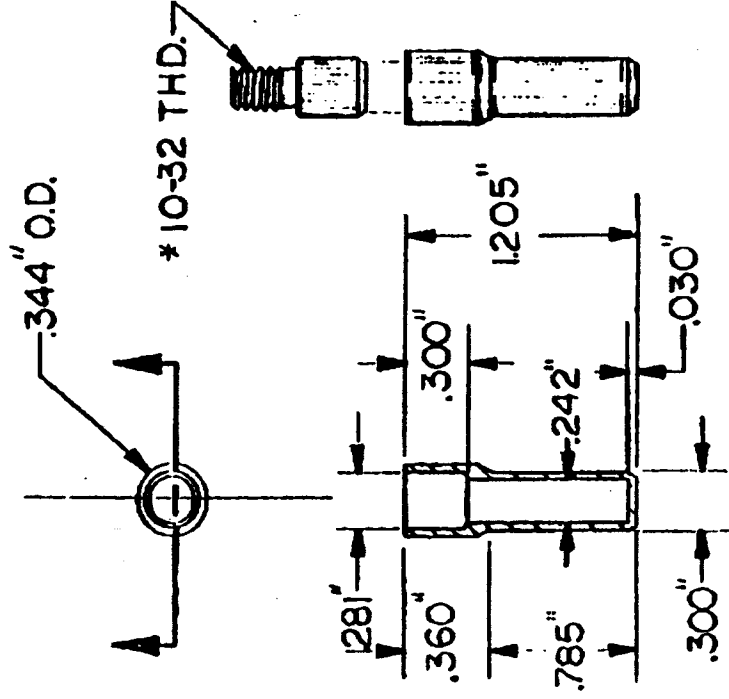
Certified By:



November 23, 2021  
(DATE)

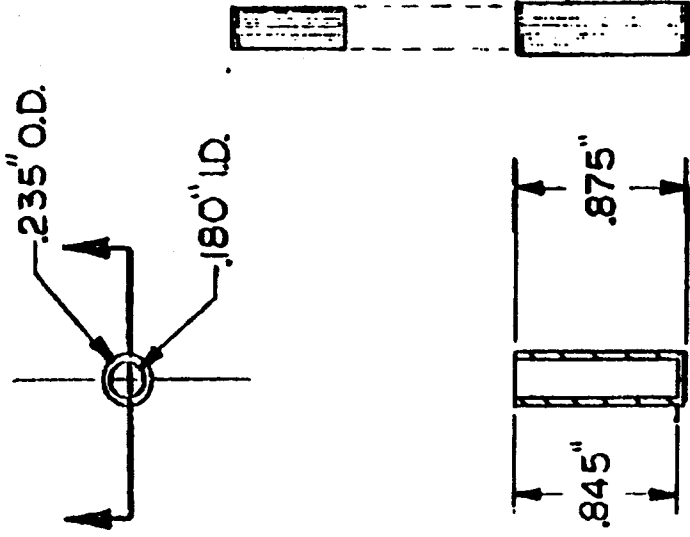
 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 9 - Issued to extend the expiration date.



\* MAX. DIA. .190"  
MIN. DIA. .163"

OUTER CAPSULE LID



INNER CAPSULE LID

REVISIONS	
NO.	DATE BY
1	
2	
3	
4	
5	

GULF NUCLEAR, INC.

DRESSER ATLAS CS-2 CAPSULE

DRAWN BY MPA SCALE FULL MATERIAL S.S.

CHK'D DATE 9-21-82 DRAWING NO.

FRACED APP'D A-39-A

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**CERTIFICATE NUMBER:** USA/0174/S-96

**ORIGINAL REGISTRANT(S) :**

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