



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0088/S-96, REVISION 7

East Building, PHH-23
1200 New Jersey Avenue 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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Dresser Atlas Model DA-20.
2. Source Description - The source is a heliarc welded double encapsulation of stainless steel with an outer diameter of 27 mm (1.05 in.) and a length of 134 mm (5.3 in.). The inner capsule has an outer diameter of 20.3 mm (0.80 in.) and a length of 98 mm (3.84 in.). The source is manufactured in accordance with attached Gammatron Inc. Drawing Nos. A-1010 and A-1011.
3. Radioactive Contents - Not more than 0.74 TBq (20 Ci) of Americium-241 in the form of a solid pressed powder pellet of a mixture of americium oxide and beryllium.
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 September 30, 2012.

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/0088/S-96, REVISION 7

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 September 17, 2007 petition by Baker Hughes Oilfield Operations, Inc., Houston, TX, and in consideration of other information on file in this Office.

Certified By:



Sep 25 2007

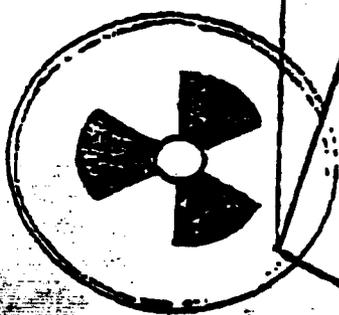
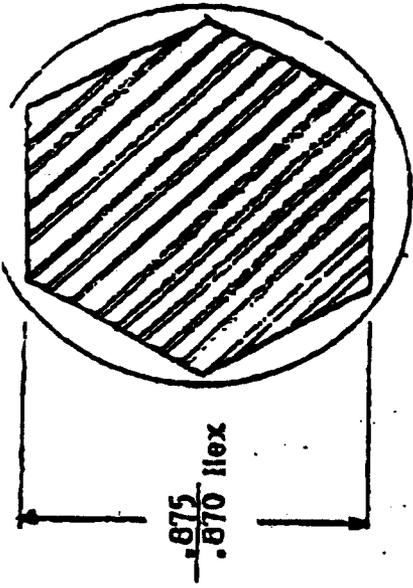
(DATE)

Robert A. Richard

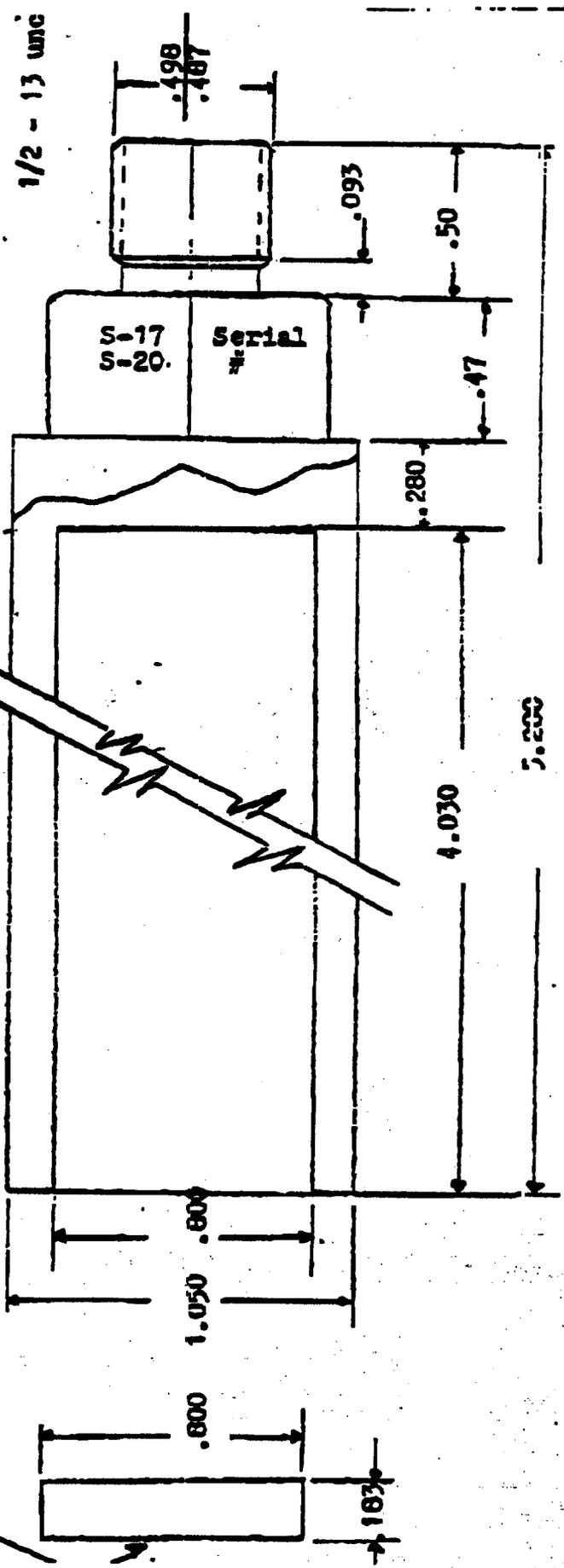
Deputy Associate Administrator for Hazardous Materials Safety

Revision 7 - Issued to extend the expiration date.

4/12



Engraved

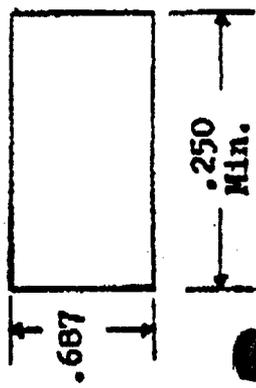
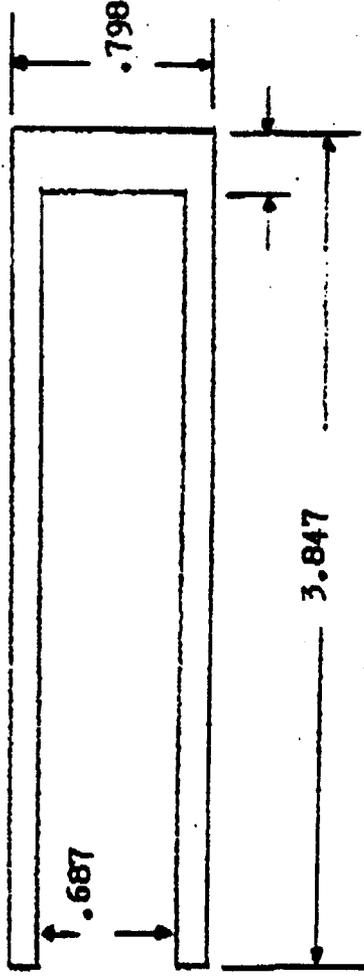


OUTER CASE

REVISIONS	
NO.	DATE
1	
2	
3	
4	
5	

GAMMATRON INC.	
DA-20	
DRAWN BY	SCALE
DCJ	
CHECKED	DATE
	11/73
TRACED	APP'D
MATERIAL	DRAWING NO.
17-4	A-1010

INNER CAPSULE



REVISIONS				GAMMATRON	
NO.	DATE	BY		INNER CAPSULE	
1				MODEL DA-20	MATERIAL 17-4
2				DRAWN BY DCJ	SCALE
3				CHE'D	DATE 11/73
4				TRACED	APP'D
5					DRAWING NO. A 1011



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

CERTIFICATE NUMBER: USA/0088/S-96, Revision 7

ORIGINAL REGISTRANT(S):

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