



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 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 - 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 July 31, 2017.

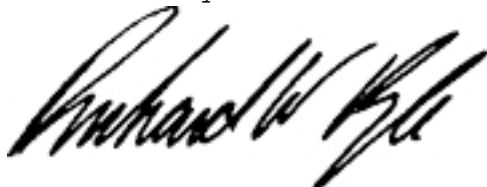
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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

CERTIFICATE USA/0088/S-96, REVISION 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 June 27, 2012 petition by Baker Hughes Oilfield Operations, Inc., Houston, TX, and in consideration of other information on file in this Office.

Certified By:



Jul 10 2012

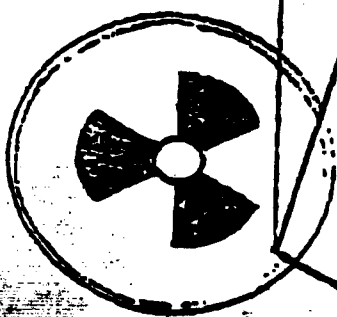
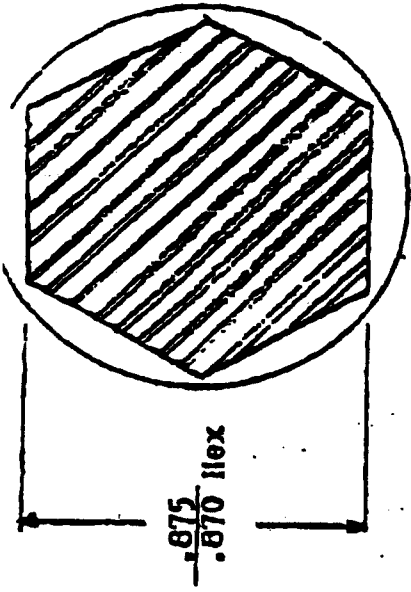
(DATE)

 Dr. Magdy El-Sibaie

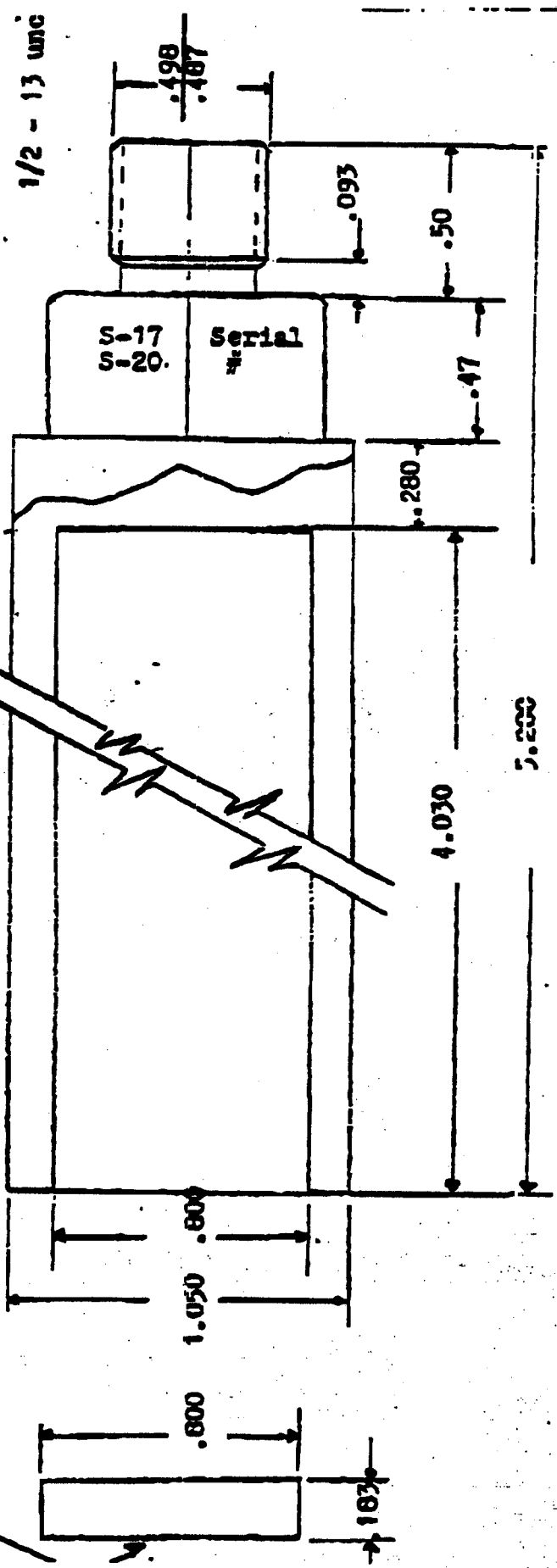
Associate Administrator for Hazardous Materials Safety

Revision 8 - Issued to extend the expiration date.

4/12



Engraved

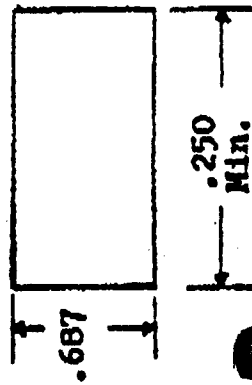
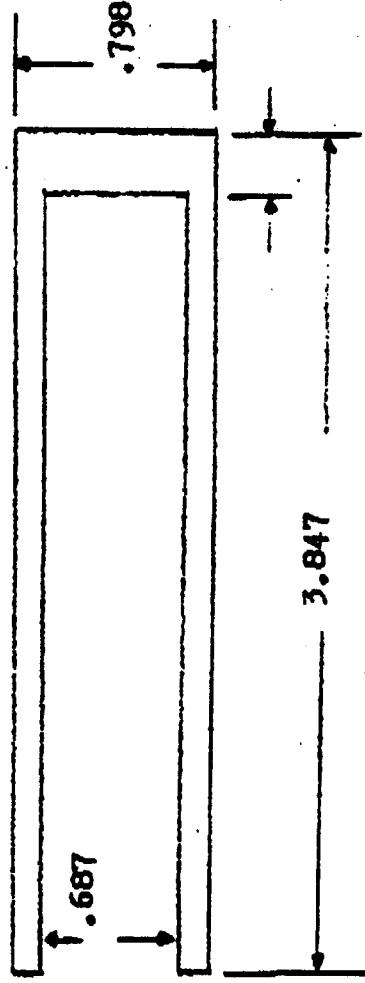


OUTER CASE

REVISIONS		GAMMATRON INC.	
NO.	DATE	BY	SCALE
1			
2			
3			
4			
5			

DA-20		DRAWN BY	DCJ	SCALE	1/1-4
CH'ED		DATE	11/73	DRAWING NO.	
TRACED		APP'D			A-1010

INNER CAPSULE



REVISIONS					
NO.	DATE	BY			
1					
2					
3					
4					
5					

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



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Washington, D.C. 20590

**Pipeline and
Hazardous Materials
Safety Administration**

CERTIFICATE NUMBER: USA/0088/S-96, Revision 8

ORIGINAL REGISTRANT(S):

Mr. James K. Elrod
Radiation Safety Officer
Baker Hughes Oilfield Operations, Inc.
Houston Technology Center
2001 Rankin Road
Houston, TX 77073

Mr. David E. Huber
Radiation Safety Officer
Baker Hughes Oilfield Operations, Inc.
2001 Rankin Road
Houston, TX 77373

REGISTERED USER(S):

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

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