



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

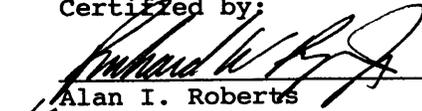
**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0087/S, REVISION 4**

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 materials.

1. Source Identification - Dresser Atlas Model Number DA-5.
2. Source Description - The DA-5 is a stainless steel, double encapsulation sealed by heliarc welding. The inner capsule is 4.9 cm (1.92") in length and 1.6 cm (0.62") in diameter. The outer capsule is 6.35 cm (2.5") in length and 2.2 cm (0.86") in diameter. Source shall be manufactured in accordance with Dresser Atlas Drawing No. A-64812-A (attached).
3. Radioactive Contents - not more than .185 TBq (5 Ci) of Americium-241/beryllium in a solid oxide form..
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires December 1, 2003.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated July 27, 1998 and September 9, 1998 submitted by Western Atlas International, Houston, TX, and in consideration of other information on file in this Office.

Certified by:

  
\_\_\_\_\_  
Alan I. Roberts

Associate Administrator for Hazardous Materials Safety

NOV 23 1998

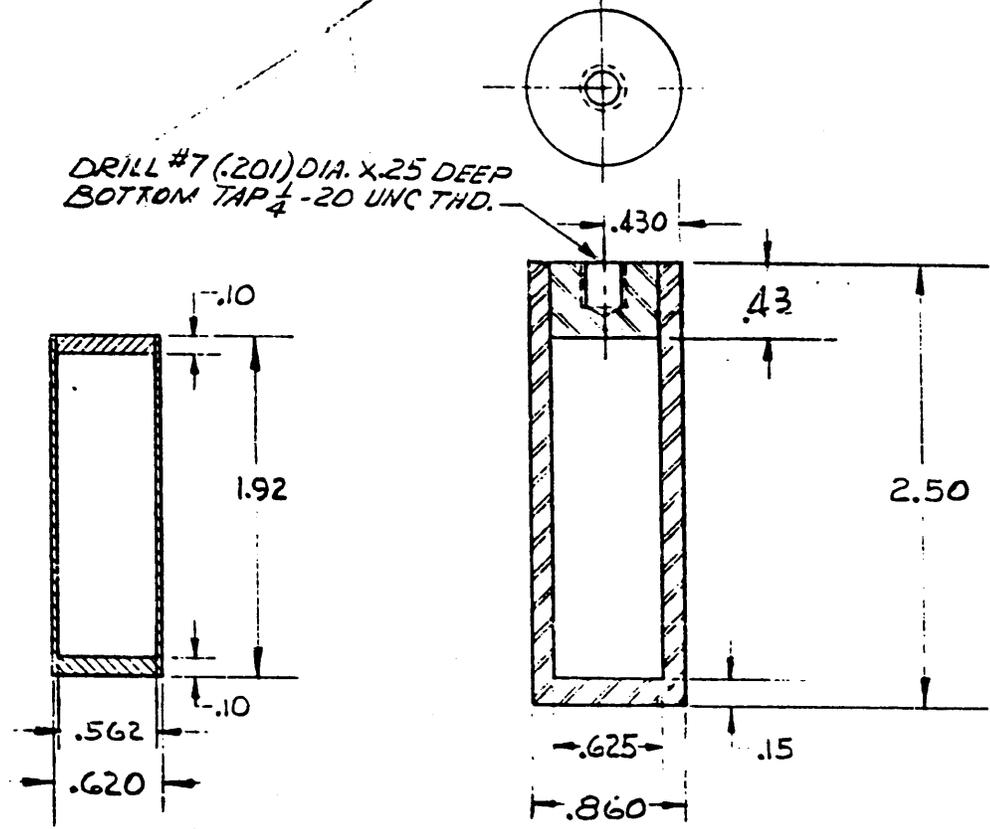
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(DATE)

Revision 4 - Issued to approve against the 1985 IAEA transport regulations and to extend the expiration date.

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1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

A-64812



NOTES:

1. Inner Container To Be Stainless Steel.
2. Outer Container To Be Stainless Steel.
3. Both Containers To Be Welded In Accordance With AEC Specifications.
4. Minimum Neutron Output To Be  $1 \times 10^7$  N/Sec.

SEP 10 1982

A	RELEASED	JSW	9-7-65	1-19-67
REV.	FROM	BY	CHK.	DATE

**CONFIDENTIAL**

RELEASED TO AND ACCEPTED BY THE POSSESSOR ON CONDITION THAT NO RIGHTS OF REPRODUCTION OR USE ARE GIVEN EXCEPT FOR PURPOSES ELSEWHERE SPECIFIED IN WRITING BY LANE-WELLS COMPANY

DO NOT SCALE PRINTS REMOVE BURRS AND SHARP EDGES LIMITS UNLESS OTHERWISE SPECIFIED .000 ± .005 .00 ± .01 .0 ± .05 ANGLES ± 1/2 DEG. FINISHES 125 AA MAX.
SCALE FULL
HEAT TREAT NONE
MATERIAL NOTED

AMERICIUM-BERYLLIUM  
NEUTRON SOURCE  
.860 D  
FOR RIA LOGGING & R/L  
ITEM ON NEXT ASSY.

USED ON SERIES	DATE 1-7-65
	BY QUOK
	CHK. JSM
FILE	ENGR. AEC
	APP. JSM

**Dresser Atlas**  
DIVISION OF DRESSER INDUSTRIES INC.

A-64812 -A