



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0608/S-96, REVISION 6**

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

This certifies that the sources described have 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 - Source Production and Equipment Company Series B, G, R, and T Model Sources manufactured after November 30, 2002.
2. Source Description - Either single or double encapsulations constructed of Type 316L stainless steel and tungsten-inert-gas welded. Approximate outer dimensions of the single encapsulation capsules are 3.94 mm (0.155 in.) to 6.86 mm (0.270 in.) in diameter and a maximum length of 25.4 mm (1.00 in.). Approximate outer dimensions of the double encapsulation capsules are 6.35 mm (0.250 in.) in diameter and a maximum length, not including the cable attachment cavity, of 28.7 mm (1.130 in.). Construction shall be in accordance with attached Source Production and Equipment Company Drawing Nos. B920012, Rev. 1, Sheet 1 of 1; or B920008, Rev. 1, Sheet 2 of 2.
3. Radioactive Contents - No more than 11.1 TBq (300 Ci) of either Cobalt-60, Selenium-75, Ytterbium-169, or Iridium-192. The Co-60 is in the form of metallic pellets. The Se-75 is in solid elementary form. The Yb-169 is in the form of a solid metal oxide. The Ir-192 activity cited is output activity, as defined in ANSI Standard N432-1981, and is in the form of metal pellets.
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.

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.

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5. Expiration Date - This certificate expires on February 28, 2017. On May 31, 2012, this certificate supersedes all previous revisions of USA/0608/S-96.

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 March 08, 2012 petition by Source Production and Equipment Company, St. Rose, LA, and in consideration of other information on file in this Office.

Certified By:



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

Mar 30 2012

(DATE)

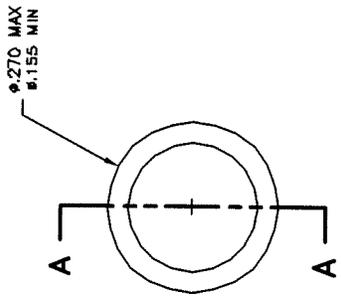
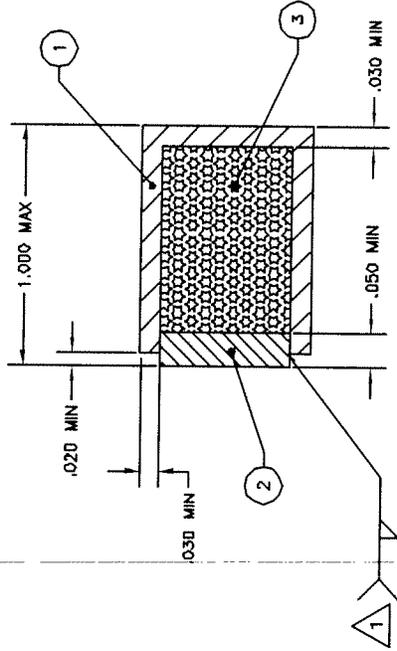
Revision 6 - Issued to revise radioactive contents.

CONTROLLED COPY NO

REVISIONS		DATE	APPROVED
REV	DESCRIPTION		
(1)	INCORPORATED CHG 000233.	8-7-08 8-10-08 8-15-08	KP KR KR

NOTES:

- 1 FUSION WELDING (STAW "TIG").
- 2. EXTERNAL THREADS MAY BE ADDED.



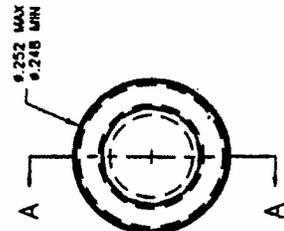
SECTION A-A

AR	CI	IRIDIUM 192	SOLID METALLIC PELLETS	3
1	EA	CAPSULE CAP	240 CI MAX OUTPUT 316L	2
1	EA	CAPSULE	STAINLESS STEEL 316L	1
		NON-REPLACEMENT PARTS LIST	STAINLESS STEEL	
		NON-REPLACEMENT PARTS LIST	STAINLESS STEEL	

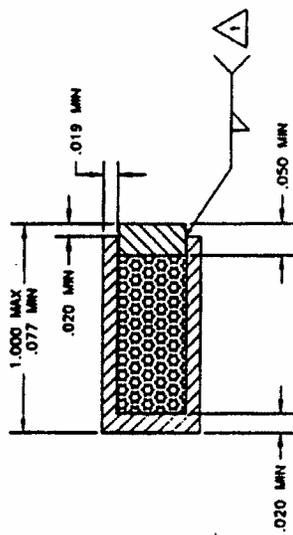
APPROVALS		DATE	SOURCE PRODUCTION & EQUIPMENT CO., INC.	
DRAWN	S. BYRD	10/17/00	113 TEAL ST. ST. ROSE, LA. 70087	
CHECKED	CCM	9/10/02	SINGLE ENCAPSULATION-	
APPROVED	REID	6/11/02	IRIDIUM 192,	
			SPECIAL FORM CAPSULE	
			SIZE Dwg No	REV
			C B920012	1
			SCALE: NTS	M 00111601
			SHEET	1 DF 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 N/A
 DO NOT SCALE DRAWING
 TREATMENT NONE
 FINISH NONE

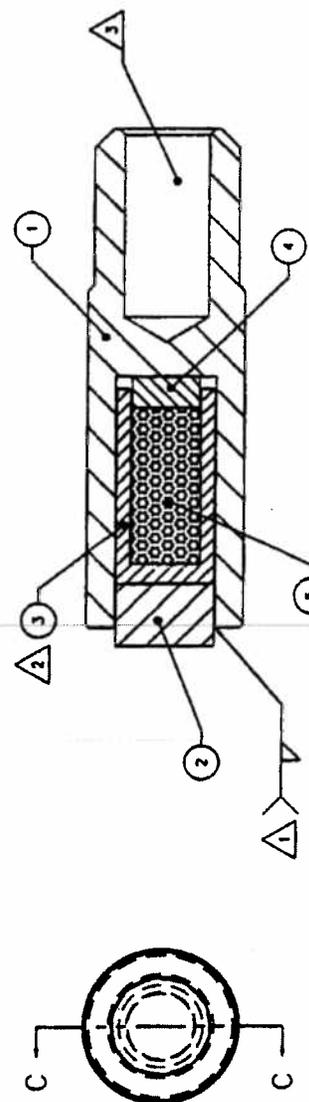
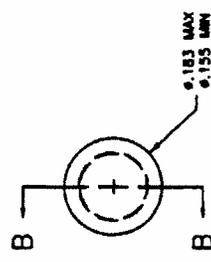
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REV	DESCRIPTION
DATE	APPROVED



SECTION A-A



SECTION B-B



REV	DESCRIPTION	DATE	APPROVED
1	C 8920008		
SCALE: 1/1		M 00111501 SHEET 2 OF 2	



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**Pipeline and
Hazardous Materials
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CERTIFICATE NUMBER: USA/0608/S-96, Revision 6

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