

Pipeline and Hazardous Materials Safety Administration 1200 New Jersey Avenue Southeast IAEA CERTIFICATE OF COMPETENT AUTHORITY Washington, D.C. 20590 SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE USA/0242/S-96, REVISION 7

East Building, PHH-23

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. <u>Source Identification</u> Monsanto Research Corporation Model 24154-C source manufactured prior to December 10, 2001.
- 2. <u>Source Description</u> The source is a tungsten inert gas welded double encapsulation constructed of Type 304 stainless steel. It is in the form of a cylindrical sleeve with an outside diameter of 35.0 mm (1.375 in.), an inside diameter of 28.1 mm (1.105 in.), and a height of 12.7 mm (0.500 in.). Sources are to be manufactured in accordance with attached Monsanto Research Corporation Drawing No. C24154-AC00, Rev. 0.
- 3. <u>Radioactive Contents</u> Not more than 0.037 TBq (1.0 Ci) of Americium-241 as an oxide mixed with powdered neutron producing target material.
- 4. <u>Quality Assurance</u> 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. <u>Expiration Date</u> This certificate expires on November 30, 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.

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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 October 19, 2012 petition by Schlumberger, Sugar Land, TX, and in consideration of other information on file in this Office.

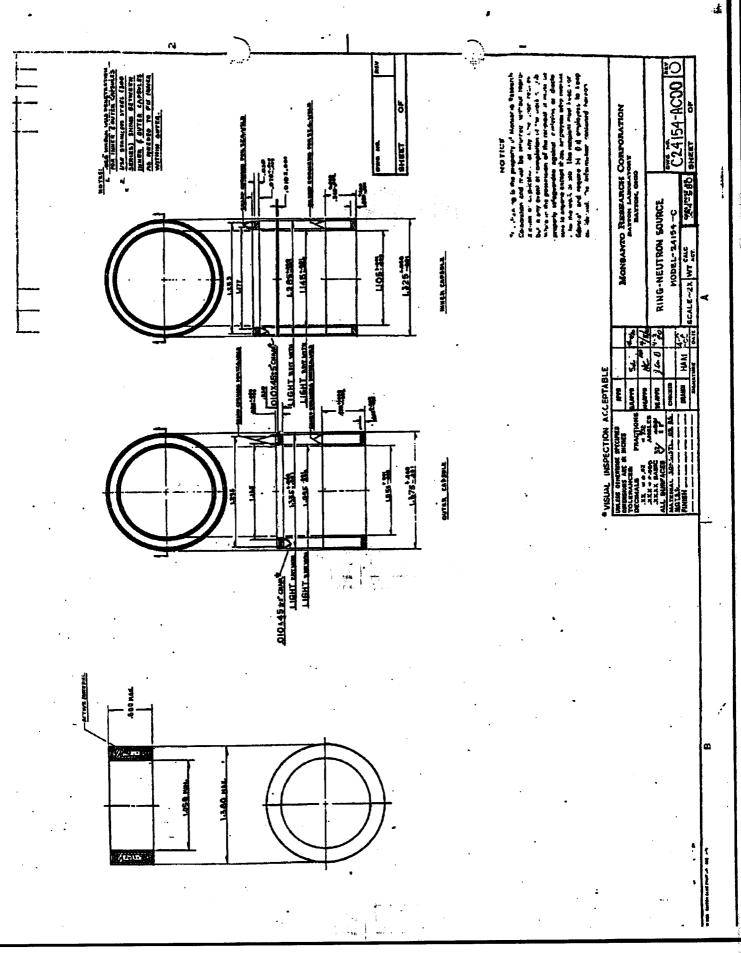
Certified By:

Dr. Magdy El-Sibaie

Nov 14 2012

Associate Administrator for Hazardous Materials Safety

Revision 7 - Issued to extend the expiration date.



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U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration

CERTIFICATE NUMBER: USA/0242/S-96, Revision 7

ORIGINAL REGISTRANT(S):

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