



Reference GB/54/S-96

Certificate Issue 1

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# Certificate of Approval of Design for Special Form Radioactive Material

Identification: XN43	Description: Low Energy Photon Source
Drawing and Specification References	
Assembly drawing: 3A 62221 Issue C Special Form Drawing List: SFDL/054 Issue 3 RSD/CTR/118 Dated 23 July 1981 QA/MS/54/0103 Issue 1 Dated 31 January 2003	
Quality Assurance Programme : Nycomed Amersham plc and AEA Technology plc IPDQAM	
Radioactive Material	Maximum Activity
Americium 241	74 GBq
Actions required before shipment: No Specific actions identified	

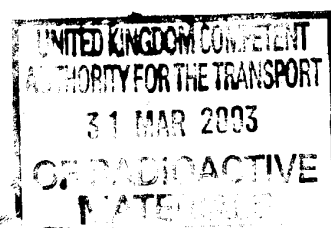
**THIS IS TO CERTIFY** that the Secretary of State for Transport being, for the purposes of the Regulations of the International Atomic Energy Agency, the Competent Authority of Great Britain in respect of inland surface transport and of the United Kingdom of Great Britain and Northern Ireland in respect of sea and air transport and the Department of the Environment for Northern Ireland being the Competent Authority of Northern Ireland in respect of inland surface transport, have approved the above mentioned Special Form Design. Radioactive material manufactured to the above-mentioned design qualifies as special form radioactive material and as such will meet the requirements of the regulations overleaf.

This Certificate of Approval applies only to the design as set out in the above named drawings and specifications submitted in an application by AEA Technology plc.

In the event of any alteration in the design or manufacture of the Special Form Radioactive Material, or in any facts stated in the application for approval, this certificate will cease to have effect unless the Competent Authority is notified of the alteration and the Competent Authority confirms the certificate notwithstanding the alteration.

This Certificate Cancels all Previous Issues and is valid until the end of March 2006  
**COMPETENT AUTHORITY IDENTIFICATION MARK: GB/54/S-96**

Transport Radiological Adviser  
Department for Transport  
76 Marsham Street  
London SW1P 4DR



On behalf of the Secretary of State  
for Transport and the Department of the  
Environment for Northern Ireland

## REGULATIONS AND CODES OF PRACTICE GOVERNING THE TRANSPORT OF RADIOACTIVE MATERIALS

### INTERNATIONAL

#### International Atomic Energy Agency (IAEA)

TS-R-1. Regulations for the Safe Transport of Radioactive Materials 1996 Edition (Revised)

#### International Maritime Organisation (IMO)

International Maritime Dangerous Goods (IMDG) Code (Amdt. 30-00)

#### International Civil Aviation Organisation (ICAO)

Technical Instructions for the Safe Transport of Dangerous Goods by Air. 2003/2004 Edition

#### United Nations Economic Commission for Europe (UNECE)

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). 2003 Edition

#### Intergovernmental Organisation for International Carriage by Rail (OTIF)

Convention concerning International Carriage by Rail (COTIF) Appendix B. Uniform Rules concerning the Contract for International Carriage of Goods by Rail (CIM) Annex 1 Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). 2001 Edition

### UNITED KINGDOM

#### ROAD

##### GREAT BRITAIN ONLY.

The Radioactive Material (Road Transport) (Definition of Radioactive Material) Order 2002, SI 2002 No. 1092;

The Radioactive Material (Road Transport) Regulations 2002, SI 2002 No. 1093.

##### NORTHERN IRELAND ONLY.

The Radioactive Substances (Carriage by Road) Regulations (Northern Ireland) 1983, SR 1983 No 344; The Radioactive Substances (Carriage by Road) (Amendment) Regulations (Northern Ireland) 1986, SR 1986 No 61.

#### RAIL

##### GREAT BRITAIN ONLY.

The Packaging, Labelling and Carriage of Radioactive Material by Rail Regulations 2002, SI 2002 No 2099.

#### SEA

British registered ships. All other ships whilst in United Kingdom territorial waters. The Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997, SI 1997 No 2367; Merchant Shipping Notice No M 1755(M), "The Carriage of Dangerous Goods and Marine Pollutants in Packaged Form - Amendment 30-00 to IMDG Code".

#### AIR

The Air Navigation Order 2000, SI 2000 No 1562. The Air Navigation (Dangerous Goods) Regulations 2002, SI 2002 No 2786.

### NOTES

*Any questions relating to this Certificate should be addressed to:*

*The Transport Radiological Adviser,  
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Great Minster House,  
76 Marsham Street, London SW1P 4DR.  
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Fax 020 7944 2187.*