# Directory of national competent authorities' approval certificates for package design, special form material and shipment of radioactive material

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DIRECTORY OF NATIONAL COMPETENT AUTHORITIES' APPROVAL CERTIFICATES FOR PACKAGE DESIGN, SPECIAL FORM MATERIAL AND SHIPMENT OF RADIOACTIVE MATERIAL

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#### **FOREWORD**

This is the thirteenth annual report being published by the Secretariat of the International Atomic Energy Agency since implementing its database on package approval certificates (PACKTRAM) at the recommendation of the Transport Safety Standards Committee (TRANSSC). Prior to the formation of TRANSSC, the Agency's transport safety advisory body was the Standing Advisory Group on the Safe Transport of Radioactive Material (SAGSTRAM).

The reporting format was established at consecutive meetings of SAGSTRAM and endorsed by TRANSSC, whose membership consists of national competent authorities responsible for the transport of radioactive material from those Member States that have a nuclear industry and others that have shown a keen interest in the IAEA's transport safety programme.

Through the PACKTRAM database, the Secretariat collects administrative and technical information provided by the issuing competent authority about package approval certificates. Such data are used mainly by national competent authorities and port and customs officials to assist in regulating radioactive material movements in their country, and also by manufacturers and shippers of radioactive material. The database carries information on extant certificates and those that expired within the last complete calendar year.

The PACKTRAM database only contains information that has been provided to the IAEA. The data are not complete nor guaranteed to be accurate. If detailed information is required, the original package approval certificates must be consulted. If information is required about package approval certificates that are not contained in the database, the issuing competent authority must be consulted.

The Secretariat would like to take this opportunity to express its appreciation to Mr. John J. McLellan (Canada) who continues to provide invaluable guidance in maintaining the PACKTRAM database.

## EDITORIAL NOTE The use of particular designations of countries or territories does not imply any judgement by the publisher, the IAEA, as to the legal status of such countries or territories, of their authorities and institutions or of the delimitation of their boundaries. The mention of names of specific companies or products (whether or not indicated as registered) does not imply any intention to infringe proprietary rights, nor should it be construed as an endorsement or recommendation on the part of the IAEA.

#### **CONTENTS**

| INTRODUCTION   | . 1 |
|--|-----|
| TABLE 1. CURRENT CERTIFICATES  | . 3 |
| TABLE 2. EXPIRED CERTIFICATES  | 19  |
| TABLE 3. CURRENT CERTIFICATES BY VALIDATION NUMBER                           | 27  |
| TABLE 4. EXPIRED CERTIFICATES BY VALIDATION NUMBER                           | 35  |
| TABLE 5. MASS, CONTENTS AND DESCRIPTION FOR ALL CERTIFICATES AND VALIDATIONS | 41  |
| TABLE 6. CERTIFICATES LISTED BY MEMBER STATE                                 | 73  |
| APPENDIX I. LIST OF COUNTRIES AND VRI CODES1                                 | 101 |
| APPENDIX II. COMPETENT AUTHORITY ADDRESSES1                                  | 103 |
| APPENDIX III. NUMBERS OF CURRENT AND EXPIRED CERTIFICATES                    | 105 |
| APPENDIX IV. DATA INPUT FORM1  | 107 |

#### INTRODUCTION

Safety in the transport of radioactive material is dependent on packaging appropriate for the contents being shipped, rather than on operational and/or administrative actions required on the package. The greater the radiological risk posed by the material being moved, the more stringent become the performance standards for the packaging that can be authorized to contain it.

These principles have been expanded since 1961 into a set of regulations that have been responsible for safely moving the ever-growing number and complexity of radioactive material shipments throughout the world. The requirements of the IAEA's *Regulations for the Safe Transport of Radioactive Material* are incorporated into UN regulations, as well as the requirements of other international transport organizations. They are widely implemented by the IAEA's Member States either by reference, direct adoption in national legislation or through compliance with modal regulations.

The current edition of the transport Regulations was published in 1996 and is commonly referred to as "ST-1". Earlier Editions were known as Safety Series No. 6. The latest English reprint (2000) is now identified as TS-R-1 (ST-1, Revised).

The transport Regulations elaborates requirements for the design, fabrication and maintenance of packaging as well as those for preparation, consigning, handling, carriage, storage in transit and receipt of the packages at final destination. Approval issued in the form of certificates is required for the design or shipment of packages.

Being in a unique position to facilitate information exchange, the Secretariat of the International Atomic Energy Agency was requested in the early 1980s by its Standing Advisory Group on the Safe Transport of Radioactive Material (SAGSTRAM) to collate package approval data and publish periodical reports thereon. A database was implemented on the mainframe computer in the mid-1980s but this was soon adapted for use on a personal computer. A fully menu-driven system programme was designed that allows both contributing Member States and the Secretariat more flexibility in data processing and reporting. Complete documentation is available in the form of a user guide.

This report supersedes IAEA-TECDOC-1237 "Directory of National Competent Authorities' Approval Certificates for Package Design, Special Form Material and Shipment of Radioactive Material, 2001 Edition". It is distributed worldwide to the IAEA Member States' competent authorities for transport, and other entities who have requested copies. Electronic copies of the main data file are provided to registered users of the PACKTRAM database.

The information contained in this report is given in six tables. In each of these, information is presented in alphabetical order based on the certificate number. The certificate number is identical with the competent authority identification mark. It is composed of the issuing Member State's international vehicle registration identification (VRI) code, followed by a slash, then a unique number specific to a particular design or shipment that is assigned by the competent authority, another slash and finally a code identifying the type of package involved. "-85" is appended to those certificates that were approved on the basis of the 1985 Edition of Safety Series No. 6, and "-96" for those approved on the basis of TS-R-1 (ST-1 Rev.).

Tables 1 to 4 present administrative data including issue and expiry dates, package identification, package serial numbers, modes for which the package/shipment is approved and the edition of the IAEA Transport Safety Regulations on which the approval has been based. The technical information on package mass, authorized contents, and detailed and general description of the package are contained in Table 5. Table 6 shows the certificates reported to the Secretariat by each participating Member State. Further details on the tables follow:

#### Table 1 - Current Certificates

This table lists certificates that were valid on 2002.08.01. It does not include those certificates that endorse or validate other Member States' certificates.

#### Table 2 – Expired Certificates

This table lists certificates that expired between 2001.01.01 and 2002.07.31. Certificates that expired earlier were archived and are, therefore, not included in this report.

#### Table 3 - Current Certificates by Validation Number

This table lists those certificates that are endorsed/validated by other Member States and valid on 2002.08.01. In cases where there is more than one validating Member State, all are listed alphabetically by certificate number. For multilateral approvals effected by validation (and not by issue of certificate), the validating authority's file reference number, preceded by the appropriate VRI code, is used as certificate number.

#### Table 4 - Expired Certificates by Validation Number

This table lists those expired certificates that have been endorsed/validated by other Member States. As for Table 2, those certificates have been listed which expired between 2001.01.01 and 2002.07.31. Those certificates that expired earlier were archived and are not included in this report.

#### Table 5 – Mass, Contents and Description for all Certificates and Validations

All certificates are listed under this table, which shows more technical information on the packages, i.e., package mass, list of authorized contents, shape, length, width, diameter, height, shield and casing. All dimensions are expressed in millimetres (mm). Where possible, additional information (e.g. general package description, cavity dimensions, the extent of validation, etc.) is reported.

#### Table 6 - Certificates Listed by Member State

This table shows the certificates issued by each participating Member State. In addition, the date on which information was provided by the respective Member State is indicated.

Appendix I lists VRI country codes (where this is not available, the ISO code is shown between asterisks). Appendix II lists the authorities and addresses of those Member States who contribute, or have indicated their intent to contribute, information to the database. Appendix III gives some statistics compiled on 2002.08.01 about the certificates being reported on. Certificates that expired before 2001.01.01 were archived and are not covered in this report. Appendix IV shows the form by which information is submitted to the database.

The data contained in this report reflects that which has been provided by the participating Member States and is by no means complete. Although the Secretariat keeps copies of some certificates that are reported in this database, detailed queries should be made directly with the issuing competent authority. A "List of National Competent Authorities Responsible for Approvals and Authorizations in Respect of the Transport of Radioactive Material" is updated and published annually by the Secretariat.

Queries on the PACKTRAM database should be directed to:

M.T.M. Brittinger Transport Safety Unit Division of Radiation and Waste Safety International Atomic Energy Agency P.O. Box 100 A-1400 Vienna, Austria Tel.: (+43 1) 2600 Ext. 21262

Fax.: (+43 1) 26007

email: M.T.Brittinger@iaea.org

## TABLE 1 CURRENT CERTIFICATES

| CERTIFICATE<br>NUMBER  | REV                             | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                    | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D        |  |
|--|---------------------------------|--|--|---|---|--|--|
| A/106/S<br>A/107/S<br>AUS/02/B(U)<br>AUS/03/B(U)<br>AUS/05/S<br>AUS/06/S<br>AUS/07/S<br>AUS/08/S<br>AUS/09/S | 2<br>4<br>4<br>3<br>3<br>3<br>3 | 1999.12.02<br>1999.12.02<br>1993.01.13<br>1993.06.30<br>1993.06.30<br>1993.06.30<br>1993.06.30<br>1993.06.30 |  | SG6-3 SG6-4 AAEC 200 AAEC 1300 AAEC TYPE 05 AAEC TYPE 06 AAEC TYPE 07 AAEC TYPE 08 AAEC TYPE 09   | ALL ALL AAEC/200/1 AAEC 1300/1 ALL ALL ALL ALL  | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/73<br>6/73<br>6/85<br>6/85<br>6/85<br>6/85 |
| AUS/10/S<br>AUS/11/S<br>AUS/17/B(U)<br>AUS/18/B(U)   | 3<br>3<br>2<br>3                | 1993.06.30<br>1993.06.30<br>1993.01.13<br>1994.08.11   | 2003.06.30<br>2003.06.30<br>2002.12.05<br>2004.08.31               | AAEC TYPE 10 AAEC TYPE 01 AAEC 2400 AAEC 2600   | ALL<br>ALL<br>AAEC/2400/1                       | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85<br>6/85<br>6/73                                   |
| AUS/21/B(U)<br>AUS/26/B(U)-85<br>AUS/29/S-85<br>AUS/30/S-85  | 1<br>2<br>1<br>1                | 1993.01.13<br>1993.10.18<br>1993.01.15<br>1993.01.15   | 2002.12.05<br>2003.10.31<br>2003.03.31<br>2003.03.31               | ANSTO/19<br>ANSTO 21  | 2800/1 - 20<br>ALL<br>ALL                       | X X X X X X X X X X X X X X X X X X X                | 6/73<br>6/85<br>6/85<br>6/85                           |
| AUS/43/B(U)F-85<br>AUS/47/S-96<br>B/009/S-85<br>B/010/S-85<br>B/012/S-85                                     | 0<br>1<br>6<br>6<br>6.1         | 1997.11.28<br>2000.01.04<br>1999.11.25<br>1999.11.25<br>2002.04.08   | 2002.09.30<br>2005.09.01<br>2002.12.20<br>2002.12.20<br>2004.03.05 | ANSTO 3700<br>ANSTO/22<br>G 7<br>G8<br>G6A-G6B  | ALL<br>   | X X X X X X X X X X X X X X X X X X X                | 6/85AA   |
| B/012/3-03<br>B/013/S-85<br>B/014/S-85<br>B/015/S-85<br>B/020/S-85   | 5<br>5<br>5<br>2                | 2001.07.24<br>2001.07.24<br>2001.07.24<br>1999.11.25   | 2004.08.13<br>2004.08.14<br>2004.08.07<br>2002.12.20               | G 7 G8 G6A-G6B G 4 G 1 G 3 G 21 Gammamed121 GAMMAMED PLUS FS47 TN24XL   | ALL<br>ALL<br>ALL                               | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA                                       |
| B/021/S-96<br>B/22/S-96<br>B/44/B(U)F-85<br>B/62/B(U)F-85  | 0<br>0<br>10<br>4               | 2002.04.02<br>2002.04.02<br>2002.04.03<br>2001.09.19   | 2004.09.30   |   | ALL   | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | TS-R-1<br>6/85AA<br>6/85AA                             |
| B/63/B(U)F-85<br>B/69/B(U)F-85<br>B/70/B(U)F-85<br>CDN/0001/S<br>CDN/0004/S-85                               | 1<br>1<br>1<br>14<br>6          | 2002.02.15<br>2002.05.03<br>2002.05.08<br>2000.05.05<br>1998.09.21   | 2004.05.31   | TN 28 VT<br>FS65-1300<br>TN17-2 version A basket 903<br>NORDION SPECIAL FORM CAPSULES<br>THERATRONICS C146, C151, XC325                     | all<br>all<br>ALL<br>ALL                        | X X X X X X X X X X X X X X X X X X X                | 6/73AA   |
| CDN/0009/S-96<br>CDN/0010/S-85<br>CDN/0011/S<br>CDN/0012/S-85  | 5<br>4<br>4<br>2                | 2002.02.26<br>2000.03.07<br>1999.06.25<br>2000.11.09   | 2005.09.30<br>2002.10.31<br>2003.06.30                             | MDS NORDION TC-346 MDS NORDION C-188 CAPSULE NORDION C-161, TYPE 8 MDS NORDION C-3000 CAPSULE   | ALL<br>TYPES 1 TO 13<br>ALL<br>ALL              |  | TS-R-1<br>6/85AA<br>6/73AA                             |
| CDN/0013/S-85<br>CDN/0014/S-85<br>CDN/0015/S-85<br>CDN/0016/S-85   | 2<br>2<br>1<br>2                |  | 2004.10.31<br>2003.05.31<br>2006.07.31                             | MDS NORDION C-324 CAPSULE MDS NORDION C-198 CAPSULE NORDION C-168 MDS NORDION SPECIAL FORM CAPSULE MDS NORDION C-162 CAPSULE                | ALL<br>ALL                                      | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                             |
| CDN/0018/S-85<br>CDN/1002/B(U)<br>CDN/1029/B(U)<br>CDN/1039/B(U)-85<br>CDN/1040/B(U)                         | 0<br>18<br>13<br>3<br>3         | 2001.01.23<br>2002.04.02<br>2001.12.13<br>2002.03.27   | 2004.02.29<br>2006.04.30<br>2006.04.30                             | MDS NORDION C-163 CAPSULE MDS NORDION F112, F113 MDS NORDION F-254 AND F-296 MDS NORDION F-376 TRANSPORT PKG GAMMAMAT TI RADIOGRAPHY CAMERA | ALL<br>1-11 & 2-11<br>22-603                    | X X X X X X X X X X X X X X X X X X X                | 6/73AA<br>6/73AA<br>6/85AA                             |
| CDN/1041/B(U)-85<br>CDN/2003/B(U)<br>CDN/2005/B(U)<br>CDN/2008/B(U)  | 13<br>12                        | 2000.11.29<br>2000.03.07<br>2002.04.02<br>2000.11.01   | 2004.10.31<br>2004.03.31<br>2006.05.31<br>2004.11.30               | MDS NORDION F-327/F-448 MDS NORDION F143, F158 NORDION F-144 AND F-144-AC NORDION F127  | SEE CERT<br>1,3,5,9<br>50, 52 AND 54            | X X X X<br>X X X X<br>X X X X<br>X X X X             | 6/85AA<br>6/73AA<br>6/73AA                             |
| CDN/2009/B(U)<br>CDN/2012/B(U)<br>CDN/2013/B(U)<br>CDN/2039/B(U)<br>CDN/2043/B(U)-85                         | 10<br>20<br>11<br>17<br>18      | 1998.11.20<br>2000.03.01<br>1999.10.18<br>2001.02.12<br>1997.11.06   | 2003.10.31   | THERATRONICS F-147 NORDION F168 MDS NORDION GAMMACELL 220 THERATRON T780 SERIES HEADS NORDION F327/F251 AND F327/F318                       | ALL<br>SEE CERTIFICAT<br>1 TO 256<br>ALL<br>ALL | X X X X X X X X X X X X X X X X X X X                | 6/73AA<br>6/73AA<br>6/73AA                             |
| CDN/2044/B(U)<br>CDN/2045/B(U)<br>CDN/2047/B(U)<br>CDN/2048/B(U)F  | 8<br>15<br>10<br>5              | 2002.02.05<br>2000.03.01<br>2000.02.23<br>2000.09.26   | 2006.02.28<br>2004.04.30<br>2003.04.30<br>2004.09.30               | MDS NORDION F127-X<br>NORDION F168-X<br>NORDION F-231 PACKAGE<br>NORDION F-257, SERIAL NO. 2  | 49,51,53,55<br>22X-26X & 41X<br>7-9; 11-24      | X X X X<br>X X X X<br>X X X X<br>X X X X             | 6/73AA<br>6/73AA<br>6/73AA                             |
| CDN/2049/B(M)<br>CDN/2050/B(U)<br>CDN/2052/B(U)<br>CDN/2053/B(U)-85  | 5<br>5<br>3<br>6                | 2002.02.12<br>1998.10.27<br>1999.07.13<br>1999.11.08   | 2003.10.31   | IRRADIATED FUEL CASK, S/N IFC-1<br>NORDION GAMMACELL 40 MK2   | 1-6<br>ALL<br>IFC-1<br>ALL                      | X X X X X X X X X X X X X X X X X X X                | 6/73AA<br>6/73AA<br>6/85AA                             |
| CDN/2054/B(U)-85<br>CDN/2058/B(U)  | 2<br>4                          | 2001.01.29 2001.04.24  |  | OH DRY STORAGE CONTAINER (DSC)<br>RADIOACTIVE FILTER TRANSPORT PKG  | ALL   | X X X X  | 6/85AA<br>6/73AA                                       |

| CERTIFICATE<br>NUMBER  | REV                                       | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                                 | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D        |  |
|--|---|--|--|---|--|--|--|
| CDN/2060/B(U)-85<br>CDN/2061/B(U)F-85<br>CDN/2062/B(U)-85<br>CDN/2063/B(U)-85<br>CDN/2064/B(U)-85<br>CDN/2065/B(U)-85<br>CDN/2067/B(U)-85<br>CDN/2068/B(U)<br>CDN/2069/B(U)-85 | 2<br>5<br>3<br>5<br>3<br>4<br>3<br>2<br>3 | 2002.02.25<br>1999.12.09<br>2000.03.01<br>2000.03.01<br>2000.02.16<br>1999.01.24<br>1998.11.03 | 2002.08.31<br>2006.05.31<br>2004.02.29<br>2004.04.30<br>2004.04.33<br>2003.03.31<br>2004.02.29<br>2002.10.31<br>2003.01.31 | CRNL TRITIDE PACKAGE CRL IRRADIATED MATERIAL PACKAGE THERATRONICS F147(85) NORDION F-168 (1985) NORDION F-168-X SHIPPING FLASKS NORDION GC 1000-85 AND 3000-85 NORDION GC MAMACELL 40 MK3,#11 &UP NORDION GC 1000&3000 WITH 20WC5 NORDION GC 1000&3000 WITH 20WC5 | 1 AND UP 61 AND UP 53 TO 76, 83UP 77-X TO 82-X ALL 42 AND UP | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA |
| CDN/2071/B(U)-85<br>CDN/2072/B(U)-85<br>CDN/2074/B(U)-85<br>CDN/2077/B(U)-85   | 4<br>3<br>1<br>0                          | 2001.04.06<br>1999.12.17   | 2003.11.30   | MDS NORDION F127,F127X, RAI/F127  | 59 AND UP<br>SEE CERT<br>11 AND HIGHER                       | X<br>X X X X<br>X X X X<br>X X X X                   | 6/85AA   |
| CDN/3010/B(M)<br>CDN/3012/B(M)<br>CDN/4212/B(U)F<br>CDN/5198/X   | 11<br>6<br>8<br>1                         | 2002.04.10   | 2002.09.30<br>2005.04.30   | OCI QUAD CO-60 SOURCE CONTAINER<br>MDS NORDION F-279 SHIPPING FLASK<br>AECL 4H SHIPPING PACKAGE<br>TYPE "A" PACKAGING   | 001<br>1 TO 5<br>1 TO 8                                      | X X X X<br>X X X X<br>X X X X                        | 6/73AA<br>6/73AA   |
| CZ/001/B(U)-85<br>CZ/003/B(M)F-85<br>CZ/005/B(U)-85<br>CZ/006/B(U)-85  | 3<br>1<br>2<br>2                          | 1998.08.03<br>2001.12.14<br>2001.02.08   | 2004.12.31<br>2005.12.31   | K - 1x IRTM<br>UKI-4-135<br>UKI - 10  | ALL<br>ALL<br>all<br>all                                     | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85<br>6/85<br>6/85                                     |
| CZ/007/B(U)-85<br>CZ/011/B(U)-85<br>CZ/012/B(U)-85<br>CZ/013/B(U)-85   | 2<br>1<br>2<br>2                          | 2000.04.05<br>2002.03.06<br>2001.10.03   | 2005.02.15<br>2005.12.31   | K-90, CHIRANA<br>UK 12 S<br>UK 50 S   | all<br>all   | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85   |
| CZ/014/B(M) - 85<br>CZ/015/B(U) - 85<br>CZ/016/B(U) - 85<br>CZ/020/B(M)  | 1<br>1<br>1<br>1<br>0                     | 2000.04.05<br>2000.12.12<br>1999.12.28   | 2005.12.31<br>2003.12.31   | K-907, K-908<br>UKI - 4   | all<br>131/85/2, 3   | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/73   |
| CZ/021/B(M)<br>CZ/022/S-85<br>CZ/024/IF-85<br>CZ/027/IF-85<br>CZ/028/IF-85   | 0<br>1<br>1                               | 1998.07.09<br>2001.12.21<br>2001.03.06   | 2003.12.31<br>2004.12.31<br>2003.12.31   | LIZA<br>TERAGAM PZ 1  | all<br>all   | X  | 6/85<br>6/85<br>6/85<br>6/85<br>6/85                     |
| CZ/029/B(M)-85<br>CZ/030-DUAL/B(U)F-8<br>CZ/031/AF-85<br>CZ/032/B(U)-85  | 0<br>0<br>0<br>0                          | 1999.03.10<br>1999.08.18<br>2000.04.06   | 2003.12.31<br>2004.08.31<br>2005.12.31<br>2005.12.31   | NONKO<br>SKODA 440/84<br>SKODA Ae 10085   | 01, 02<br>all<br>all<br>all                                  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85AA<br>6/85AA<br>6/85                         |
| CZ/034/IF-85<br>CZ/035/B(M)-85<br>CZ/036-DUAL/B(U)F-8<br>CZ/1001/S-85  | 0<br>1<br>0<br>0                          | 2001.11.08<br>2001.06.29<br>1999.01.28   | 2003.12.31   | GUT<br>CONSTOR RBMK 1500<br>Aml.GA  | all<br>all<br>all  | X X X X X  | 6/85<br>6/85   |
| D/0044/S-85<br>D/0046/S-85<br>D/0048/S-85<br>D/0070/S-85   | 3<br>2<br>1                               | 1997.08.28<br>2001.12.04<br>2001.12.13   | 2002.08.28<br>2006.12.03<br>2006.12.13   | GAMMA STRAHLER VZ-476 MICRO SELECTRON HDR/PDR GAMMAMED-STRAHLER MICRO SELECTRON PDR/HDR   |  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85                                     |
| D/0072/S-85<br>D/0073/S-85<br>D/0074/S-85<br>D/0076/S-85<br>D/0077/S-85  | 0<br>0<br>0<br>0                          | 1998.09.02   | 2003.10.31<br>2003.03.31<br>2003.08.31<br>2002.11.30<br>2002.12.31   | Co-60 SOURCE CoO.PO5-2<br>STRAHLERKAPSEL GAMMAMED PLUS  |  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85                                     |
| D/0079/S-85<br>D/0081/S-85<br>D/0082/S-85<br>D/0083/S-85   | 0 0 0                                     | 2000.07.24<br>1999.03.17<br>2000.07.18<br>2000.06.13   |  | VZ-92/3. VZ 1726<br>SOURCE Ir2.A77-1, Ir2.A77-2<br>Ir-192 SOURCE Ir2.A78<br>R2, R3, R4, R35, R38, GSTK2   |  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85                                     |
| D/0084/S-85<br>D/0085/S-85<br>D/2001/B(U)-85<br>D/2003/(CU)-85   | 0<br>0<br>11<br>8                         | 2001.01.24<br>2001.03.30<br>2000.10.30<br>2000.11.01   | 2006.01.23<br>2006.03.31<br>2003.10.31<br>2003.10.31   | VZ-64/1, -1486/3, -79/1, -1508/2<br>TransportbehälterS 1747<br>Isotopen-Arbeitsbehälter CO 30   | up to 01065  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85                                     |
| D/2007/B(U)-85<br>D/2011/B(U)-85<br>D/2012/B(U)-85<br>D/2013/B(U)-85<br>D/2015/B(U)-85   | 8<br>9<br>9<br>9                          | 2000.11.30<br>2001.03.20<br>2001.03.20<br>2001.03.20<br>2001.05.14                             | 2003.11.30<br>2004.03.20<br>2004.03.20<br>2004.03.20<br>2003.04.30   | Isotopen-ArbeitsbehälterCO 100<br>Gammamat TI<br>Gammamat TI-F<br>Gammamat TI-FF<br>Gammamat TK 30  |  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85                                     |
| D/2015/B(U)-85<br>D/2021/B(U)-85<br>D/2022/B(U)-85   | 8<br>7<br>7                               | 2001.03.14<br>2001.05.14<br>2000.04.27<br>2000.06.28   | 2003.04.30<br>2003.04.30<br>2003.06.30   | Gammamat TK 100<br>Gammamat M 18<br>Gammaradiografiegerät SU 50   |  | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85   |

| CERTIFICATE<br>NUMBER  | REV  | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS                 | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D                |  |
|--|--|--|--|--|--|--|--|
| D/2023/B(U)-85<br>D/2024/B(U)-85<br>D/2027/B(U)-85<br>D/2028/B(U)-85<br>D/2031/B(U)-85<br>D/2043/B(U)-85<br>D/2048/B(U)-85<br>D/2052/B(U)<br>D/2059/B(U)-85<br>D/2060/B(U)-85<br>D/2079/B(U)-85<br>D/2079/B(U)-85<br>D/2080/B(U)-96<br>D/2086/B(U)-96  | 7<br>7<br>8<br>8<br>7<br>6<br>7<br>2<br>4<br>9<br>4<br>2<br>2  | 2000.06.28<br>2000.11.30<br>2000.06.28<br>2000.04.27<br>2000.11.30<br>2001.05.14<br>2000.09.14<br>1999.10.20<br>2002.03.04<br>2001.10.30<br>1999.09.10<br>2002.04.03<br>1999.09.14   | 2002.10.15<br>2005.03.04<br>2003.12.31<br>2002.09.15<br>2005.04.03<br>2002.09.30   | Gammaradiografiegerät SU 100 Gammaradiografiegerät SU 100 V TransportbehälterTB 5 TransportbehälterTBV Gammamat M 10 TransportbehälterTB-CO 300 Gammamat TK 1000 TransportbehälterIK-M TR 2K-Co Mosaik II-15 -> see comments GAMMAMAT TSI 3, TSI 3/1 GAMMAMAT TSI 5, TSI 5/1 Mosaik II-15 TR GA-01 | 01.02  | X X X X<br>X X X X<br>X X X X                                | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/73AA<br>6/85<br>6/85<br>6/85<br>96                               |
| D/2087/B(U)-85<br>D/2088/B(U)-85<br>D/2090/B(U)-85<br>D/2518/B(U)-85<br>D/4155/B(U)F-85<br>D/4160/B(U)F-85<br>D/4167/B(U)F-85<br>D/4193/B(U)F-85<br>D/4193/B(U)F-85<br>D/4214/B(U)F-85<br>D/4224/B(U)F-85<br>D/4229/B(U)F-85<br>D/4229/B(U)F-85<br>D/4295/B(M)F-85<br>D/4295/B(M)F-85<br>D/4305/AF-96<br>D/4307/B(U)F-85<br>D/4311/B(U)F-85<br>D/4311/B(U)F-85 | 0 1 1 1 3 3 8 8 7 7 5 2 2 2 7 7 4 4 2 2 100 4 4 2 1 5 3 3  | 2001.01.05<br>2001.03.08<br>2000.08.22<br>2001.05.17<br>2001.04.18<br>2000.04.27<br>2001.05.18<br>2000.09.28<br>1999.08.17<br>2001.11.01<br>2000.07.17<br>2001.02.12<br>2001.11.30<br>2001.10.19<br>2002.02.26<br>2000.12.14<br>2000.09.19 | 2004.04.30<br>2003.04.27<br>2004.05.18<br>2004.08.03<br>2003.09.28<br>2002.08.31<br>2004.10.31   | Verp. f r unbestr. MOX-BE Beznau<br>Transportsystem SWR-MOX-BE<br>Typ BU-D<br>CASTOR X/28F<br>CASTOR 440/84  | 01<br>02<br>1 and 2<br>01 SGR<br>01,04,05,06 | X X X X X X X X X X X X X X X X X X X                        | 6/85<br>6/85<br>6/85<br>6/85<br>6/85   |
| D/4312/8(U)F-85<br>D/4315/B(U)F-85<br>D/4316/B(U)F-85<br>D/4317/B(U)F-85<br>D/4319/B(U)F-85<br>D/4323/B(U)F-85<br>D/4324/B(U)F-96<br>D/4324/B(U)F-96<br>D/4326/B(U)F-85<br>D/4329/B(U)F-85<br>D/4339/IF-85<br>D/4339/IF-85   | 3<br>2<br>2<br>3<br>3<br>5<br>0<br>2<br>3<br>1<br>2<br>3<br>0<br>3   | 2000.07.20<br>2000.06.16<br>2001.04.17<br>2001.08.27<br>2002.03.11<br>2002.01.30<br>2000.12.08<br>2002.03.22<br>2002.01.31<br>2000.07.21<br>2002.03.18<br>2001.10.30<br>2001.01.30   | 2003.07.20<br>2003.06.16<br>2004.04.17<br>2004.08.31<br>2005.03.11<br>2004.04.18<br>2003.12.31<br>2007.03.31<br>2005.01.31<br>2005.03.18<br>2003.12.31<br>2003.12.31<br>2002.12.31 | CASTOR MTR2<br>Neutronenquellencontainer<br>Transp.u.Lagerbeh"lter TS 28 V<br>CASTOR HAW 20/28 CG  | 01 to 15<br>6 and up                         | X X X X X X X X X X X X X X X X X X X                        | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>ST-1   |
| D/4340/IF-85 D/4341/B(U)F-85 D/4342/B(U)F-85 DK/78/S-85 E/001/B(U) E/002/B(U) E/006/B(U) F/007/S F/008/S F/011/S F/012/S F/013/S F/014/S F/023/S F/029/S F/036/S F/044/S F/047/S   | 3<br>0<br>0<br>2<br>11<br>11<br>11<br>Bb<br>Bc<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb<br>Bb | 2002.02.07<br>2001.10.26<br>2000.04.06<br>1997.12.30<br>2001.01.16<br>2001.01.16<br>2001.01.229<br>2000.12.29<br>2000.12.29  | 2005.02.28<br>2004.10.26<br>2003.04.06<br>2002.12.31<br>2002.12.31<br>2002.12.31<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.11.30 | TransportbehälterANF 10 Transp.u.Lagerbeh. CASTOR IIb/9 TN 7-2 IC SR-12 NI-202 NI-203 NI-211 TMG 1 CF 52 N COM 1, COM 2 SB 2 SB3 SB5 SB6 SNA 2, SNA 4 AME TUBE DE TRANSPORT D'IRIDIUM CSM 4 IRGT 1   |  | $\begin{array}{cccc} X & X & & X \\ X & X & & X \end{array}$ | 6/85<br>6/85<br>6/85AA<br>6/73AA<br>6/73AA<br>6/73<br>6/73<br>6/73<br>6/73<br>6/73<br>6/73<br>6/73<br>6/73 |

#### TABLE 1 - LISTING FOR CURRENT CERTIFICATES

| CERTIFICATE<br>NUMBER  | REV                              | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER                               |
|--|----------------------------------|--|--|--|------------------------------|---------------------------------------|--|
| F/048/S<br>F/050/S<br>F/051/S<br>F/052/S<br>F/063/S<br>F/066/S<br>F/083/S-85<br>F/112/B(U)<br>F/137/B(U) | Bb<br>Bb<br>Bb<br>Bb<br>Dd<br>Hd | 2000.12.29<br>2000.12.29<br>2000.12.29<br>2000.12.29<br>2000.12.29<br>2000.12.29<br>2000.07.24<br>1994.04.14<br>2002.04.02 | 2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2005.07.31<br>2004.08.01 | IRG 11<br>CO2041<br>CO-SPH7<br>CO-HC-40<br>CS MU<br>IRM-10<br>CSL 15 R; CSL 20 R<br>GMA 2500<br>GAM 80 |                              | X X X X X X X X X X X X X X X X X X X | 6/73<br>6/73<br>6/73<br>6/73<br>6/73<br>6/85AA<br>6/73AA |
| F/137A/B(U)-85<br>F/154/B(U)<br>F/201/B(U)F  | Aa<br>Gc<br>Hc                   |  | 2005.08.31<br>2003.06.30<br>2002.09.30   | GAM80 ou GAM120<br>CEM 70<br>TN 6/2<br>TN 6/2  |                              | X X X X<br>X X X X<br>X X X X         | 6/85AA   |
| F/206/B(U)<br>F/213/B(U)<br>F/217/B(U)<br>F/230/B(U)F-85<br>F/258/IF                                     | Hb<br>Hc<br>Db<br>Fd             | 2000.11.23   | 2003.12.31<br>2005.03.15<br>2003.01.31<br>2005.12.18   | CONTENEUR 2LD<br>GR30 ou GR50<br>GAM 400<br>LR 44  |                              | X X X X<br>X X X X<br>X X X X         | 6/73AA<br>6/85AA   |
| F/264/B(U)<br>F/264/B(U)F<br>F/270/B(M)F-85 T  | Gg<br>Gh<br>Gi<br>Ip             | 2000.12.28<br>2002.01.18<br>2002.02.19<br>2002.03.18   | 2002.10.01<br>2002.10.01<br>2002.10.01<br>2005.10.31   | FS 41<br>FS 41<br>FS 41<br>TN 17/2   |                              | X X X<br>X X<br>X X X                 | 6/73AA<br>6/73AA<br>6/73<br>6/85AA                       |
| F/270/B(U)F-85<br>F/271/B(M)F-85 T<br>F/271/B(M)F-85T<br>F/271/B(U)F-85                                  | Hk<br>Hj<br>Hl                   | 2002.02.27<br>2001.05.17<br>2000.09.04<br>2001.06.11<br>2002.04.02   | 2002.08.15<br>2002.08.15<br>2002.08.15   | TN 17/2<br>TN 12/2<br>TN 12/2<br>TN 12/2<br>TN 12/2  |                              | X X X<br>X X X<br>X X X               | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA                     |
| F/272/B(U)F-85<br>F/274/B(M)F-85 T<br>F/274/B(U)F-85   | Gg<br>Iq<br>Ip<br>Ir             | 2001.07.06<br>2001.10.29<br>2001.08.31<br>2002.02.12   | 2003.12.31<br>2004.06.30<br>2004.06.30<br>2004.06.30   | TN 10/1<br>TN 13/2<br>TN 13/2<br>TN 13/2   |                              | X X X<br>X X X<br>X X X               | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA                     |
| F/275/B(M)F-85<br>F/275/B(U)F-85<br>F/309/B(U)F-85<br>F/313/B(M)F-85 T<br>F/313/B(U)F-85                 | Bb<br>Go                         | 2001.07.10<br>2001.06.29<br>2002.01.21<br>2002.03.19<br>2002.03.19   | 2003.12.31<br>2003.12.31<br>2003.12.31   | TN 12/1<br>TN 12/1<br>LR 56<br>TN-BGC 1<br>TN-BGC 1  |                              | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA                               |
| F/323/B(U)F-85<br>F/326/B(U)F-85<br>F/331/B(U)-85<br>F/332/B(U)-85                                       | Df<br>Cg<br>Aa<br>Ab             | 2001.06.20<br>2000.06.26<br>2000.07.03<br>2000.10.31   | 2003.06.30<br>2002.09.30<br>2005.06.30<br>2005.03.01   | TN 28 VT<br>RD 26<br>RD 31<br>RD 30  |                              | X X<br>X X X X<br>X X X X<br>X X X X  | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA                     |
| F/334/B(U)F-85<br>F/336/B(U)F-85<br>F/343/B(U)F-85<br>F/344/B(U)F-85                                     | Cd<br>Bi<br>Ee                   | 2002.02.20<br>2001.01.16<br>2001.09.17   | 2007.01.31<br>2005.03.31<br>2006.09.30   | TN GEMINI ou RD39<br>TN 24 XL  |                              | X<br>X X X                            | 6/85AA<br>6/85AA<br>6/85AA                               |
| F/346/B(U)F-85<br>F/347/IF-85<br>F/348/IF-85<br>F/351/B(U)F-85<br>F/352/B(U)F-85                         | Bc<br>Aa<br>Aa<br>Bd<br>Ad       | 2000.02.03<br>2000.02.03<br>1996.10.01   | 2003.12.31<br>2005.01.31<br>2005.01.31<br>2002.11.01<br>2003.12.31                             | FCC 3<br>FCC 4<br>RD15/IIB   |                              | X X X<br>X X X X<br>X X X X           | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA                     |
| F/356/B(U)F-85<br>F/356/B(U)F-96<br>F/357/B(U)F-85   | Ae<br>Af<br>Aa<br>Ab<br>Ah       | 2000.06.29<br>2002.01.17   | 2003.12.31<br>2005.06.30<br>2005.06.30   |  |                              | X X X<br>X X X<br>X X X               | 6/85AA<br>6/85AA<br>6/85AA<br>TS-R-1<br>6/85AA           |
| F/357/B(U)F-96<br>F/358/B(U)F-85<br>F/359/B(U)-85  | Bj<br>Bi<br>Ab<br>Aa             | 2002.04.11<br>2002.04.11<br>2000.05.11<br>2000.02.08   | 2007.04.30<br>2007.04.30<br>2003.12.31<br>2005.02.01   | TN MTR TN MTR COG-OP-30B AGNES   |                              | X X X<br>X X X X<br>X X X X           | TS-R-1<br>TS-R-1<br>6/85AA<br>6/85AA                     |
| F/361/AF-85<br>F/364/B(U)-85<br>F/365/B(U)F-85<br>F/368/B(U)F-85<br>F/369/B(M)F-85T                      | Aa<br>Aa<br>Bd<br>Aa<br>Ac       | 2000.02.03<br>2001.09.27<br>2000.05.22<br>2000.07.11   | 2003.05.31<br>2002.10.30   | TN-U02<br>TN-TG1<br>TN 52 L<br>TN 24 SH<br>LK 100 Z  |                              |                                       |  |
| F/369/B(U)F-85<br>F/370/B(U)-85<br>F/371/B(U)F-85<br>F/373/IF-85   | Ab<br>Aa<br>Aa<br>Ac             | 2000.09.08   | 2003.09.30<br>2003.05.31   | LK 100Z<br>COQUE CC 33<br>TN 97 L<br>CERCA 01  |                              | X X X X<br>X X X X<br>X X X X         | 6/85AA<br>6/85AA   |

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| CERTIFICATE<br>NUMBER  | REV  | ISSUE<br>DATE  | EXPIRY<br>DATE  | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS  | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER  |
|--|--|--|---|---|---|---|---|
| GB/3705D/B(U)F-85 GB/3705E/B(U)F-85 GB/3705E/B(U)F-85 GB/38705E/B(U)F-85 GB/38/S-85 GB/389/S-85 GB/389/S-85 GB/391/S-85 GB/391/S-85 GB/391/S-85 GB/392/S-85 GB/48/S-85 GB/411/S-85 GB/411/S-85 GB/411/S-85 GB/5074A/AF GB/55/S-85 GB/56/S-85 GB/56/S-85 GB/56/S-85 GB/59/S-85 H/006/B(U)-85 H/002/B(U)-96 H/023/B(U)-96 H/023/B(U)-96 H/030/B(U)-85 H/051/S-85 H/064/S-85 H/066/S-85 H/066/S-85 H/066/S-85 H/066/S-85 H/076/S-85 H/076/S-85 H/076/S-85 I/105/B(U) I/108/B(U)-85 IND/013/B(U)-85 IND/013/B(U)-85 IND/016/B(U)-85 IND/016/B(U)-85 IND/016/B(U)-85 IND/016/B(U)-85 IND/016/B(U)-85 IND/016/B(U)-85 IND/016/B(U)-85 IND/11/B(U)-85 | 2 2 2 2 2 4 4 3 3 3 3 4 4 2 2 3 3 3 3 12 4 5 5 9 9 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2001.01.12<br>2001.01.12<br>2000.03.31<br>2000.02.23<br>2001.02.23<br>2001.02.23<br>1999.08.10<br>1999.06.04<br>1999.09.27<br>2001.01.03<br>1999.11.24<br>1999.11.24<br>2000.04.18<br>1999.05.10<br>2000.03.21<br>2000.06.20<br>2001.12.21<br>2000.03.21<br>2000.03.21<br>2000.03.21<br>2000.03.21<br>2000.03.21<br>1998.01.07<br>2000.03.21<br>2000.03.21<br>1998.01.07<br>2000.03.21<br>1998.01.09<br>1999.11.09<br>1999.11.09<br>1999.11.09<br>1999.11.09<br>1999.12.27<br>1999.12.27<br>1999.12.31<br>2000.12.08<br>2000.12.08<br>2000.12.08<br>2000.12.08<br>2001.12.03<br>2001.12.03<br>2001.12.03<br>2001.12.03<br>2001.12.03<br>2001.12.03<br>2001.12.03<br>2001.12.03<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08<br>2001.12.08 | 2004.12.21<br>2004.12.21<br>2002.12.31<br>2005.03.31<br>2005.03.31<br>2002.12.31<br>2005.10.31<br>2005.12.31<br>2005.12.31<br>2002.12.31<br>2002.12.31<br>2002.12.31<br>2002.11.30<br>2002.11.30<br>2002.11.30<br>2002.13<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31 | COF-285 TRANSPORT FLASK ROLI-1 (RADIOGRAPHY CAMERA) ROLI-1 (RADIOGRAPHY CAMERA) GAMMA CHAMBER 5000 NFI-II P-3S(12T) EXCELLOX-4(M) TN-12P(M) MFC-1 | 003 to 007, ++ 01, 02, 021 024-028, 034, 001-023, 01  01 001-003  ALL ALL ALL ALL ALL ALL 1 to 73 1 TO 26 1,2,4 91001 to 91059 94060 AND UP ALL S8A10 - S31A10 S1B102  S1A105-S80A105 |   | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85A<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| J/110/B(U)F-85<br>J/111/B(U)F-85<br>J/113/AF-85  | 1<br>0<br>4<br>5<br>6<br>7   | 2000.03.28<br>2000.02.28<br>2000.02.28<br>2000.02.28   |   | NT-IX<br>NT-IX  | S1B111-S4B111<br>SEE CERT!<br>SEE CERT!<br>SEE CERT!<br>SEE CERT!   | X X<br>X X<br>X X                             | 6/85<br>6/85<br>6/85<br>6/85<br>6/85  |
| J/118/B(U)F-85<br>J/119/B(U)F-85<br>J/120/B(M)F-85<br>J/121/B(M)F-85<br>J/122/B(M)F-85<br>J/123/B(M)F-85<br>J/126/B(M)F-85<br>J/127/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/134/AF-85  | 0<br>2<br>1<br>0<br>0<br>1<br>2<br>1<br>3<br>1<br>2                                    | 1997.07.22<br>2000.12.27<br>2001.06.04<br>1997.05.12<br>1997.05.12<br>1998.03.02<br>1999.08.03<br>1999.08.03<br>2000.03.28<br>2001.08.07   | 2003.11.28<br>2003.12.26<br>2003.12.31<br>2003.05.11<br>2003.05.11<br>2004.03.01  | MONJU-F<br>JRF-90Y-950K<br>MSF-I<br>HZ-75T<br>HZ-75T<br>HZ-75T-A<br>HZ-75T-A<br>HZ-75T-ATR-A<br>UOX/D<br>PIE-SA<br>RCC-3(A)                       | \$18118-\$128118<br>\$18120,\$28120<br>\$18121,\$28121<br>\$18122,\$28122<br>\$18123,\$28123<br>\$18126,\$28126<br>\$18127,\$28127<br>\$1A129,\$2A129<br>\$1A134-\$12A134             | X X X X X X X X X X X X X X X X X X X         | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85  |
| 07 104/AI -00  | 3  |  | 2003.10.06  |   | S1A134-S12A134<br>S1A134-S12A134  |   | 6/85  |

#### TABLE 1 - LISTING FOR CURRENT CERTIFICATES

| CERTIFICATE<br>NUMBER            | REV    | ISSUE<br>DATE            | EXPIRY<br>DATE           | PACKAGE IDENTIFICATION                     | PACKAGE<br>SERIAL<br>NUMBERS   | MODES<br>RRAS<br>AOIE<br>IARA<br>LD                  | SAFETY<br>SERIES<br>NUMBER |
|----------------------------------|--------|--------------------------|--------------------------|--|--------------------------------|--|----------------------------|
| J/135/B(M)F-85                   | 2      |                          | 2004.01.21               |  |                                |  | 6/85                       |
| J/136/B(M)F-85                   | 3 2    | 1998.01.22               | 2003.12.31 2004.01.21    | NFT-32B                                    |                                | Х Х  | 6/85<br>6/85               |
| J/137/B(M)F-85                   | 3      |                          | 2003.12.31 2003.12.31    |  | S1B137-S7B137                  |  | 6/85<br>6/85               |
| J/138/B(M)F-85                   | 3      |                          | 2003.12.31               |  | 31010/ 3/010/                  |  | 6/85                       |
| J/139/B(M)F-85                   | 4      |                          | 2003.12.31               |  | SEE CERT!                      |  | 6/85                       |
| J/140/B(M)F-85<br>J/141/B(M)F-85 | 3      | 1998.01.22               | 2003.12.31               | NFT-10P<br>HZ-75T-A Type                   | S1B141,S2B141                  |  | 6/85<br>6/85               |
| J/142/B(U)-85                    | 0      | 1997.11.11               |                          | NFI-XB                                     | S1B141, 52B141                 |  | 6/85                       |
| J/143/AF-85                      | 2      |                          | 2002.08.30               | RAJ-II                                     |                                |  | 6/85                       |
| J/146/B(U)F-96<br>J/149/B(M)F-85 | 2      | 1998.01.22<br>1999.02.05 |                          | TOSS<br>TN-9180/A                          | S1B146<br>S1B149-S12B149       | X X<br>X X   | TS-R-1<br>6/85             |
| J/151/B(M)F-85                   | 1      |                          | 2004.00.03               | TN-9121/B                                  | S1B151-S8B151                  | XX   |                            |
|                                  | 3      | 1998.09.16               | 2004.05.28               | TN-9121/B                                  |                                | Х Х  | 6/85                       |
| J/152/B(M)F-85                   | 2      | 1999.12.27<br>1999.12.27 |                          | RU-1                                       |                                | X  | 6/85                       |
| J/155/B(M)F-85<br>J/156/AF-85    | 0      |                          | 2002.12.26               | RU-1<br>RAJ III TYPE                       |                                |  | 6/85<br>6/85               |
| J/156/AF-96                      | 0      | 1999.09.13               | 2004.11.19               | RAJ III TYPE                               |                                |  | TS-R-1                     |
| J/157/B(U)F-85                   | 0      |                          | 2003.04.04               | JMS-87Y-18.5T                              | S1B157                         | ХХ   |                            |
| J/159/AF-85<br>J/162/B(M)F-85    | 0      |                          |                          | MST 30<br>BNFL 3320 TYPE                   |                                |  | 6/85<br>6/85               |
| J/162/B(U)F-85                   | 1      |                          | 2003.12.31               |  |                                |  | 6/85                       |
| J/163/AF-96                      | 0      |                          | 2005.04.02               |  |                                |  | TS-R-1                     |
| J/2002/H(U)-96<br>J/26/AF-85     | 0      |                          | 2005.03.25 2002.08.22    | J/2002/H(U)-96                             | S1A26-S264A26                  | X X X  | TS-R-1<br>6/85             |
| J/28/AF-85                       | 3      |                          | 2002.00.22               |  | S1A20-3204A20<br>S1A28-S253A28 |  | 6/85                       |
| J/35/AF-85                       | 1      |                          |                          | NFI-III                                    | S1A35                          | Χ  | 6/85                       |
| J/37/AF-85<br>J/42/B(M)F-85      | 3      |                          | 2003.12.31 2003.08.24    | NT-IV<br>NH-25                             | S1A37 `S126A37                 | X<br>X X   | 6/85<br>6/85               |
| J/48/B(M)F-85                    | 0      |                          |                          | HZ-75T                                     | S1B42-S4B42<br>S1B48,S2B48     |  | 6/85                       |
| J/58/AF-85                       | 1      | 1995.07.18               | 2004.06.28               | NT-VIII                                    |                                | Χ  | 6/85                       |
| J/61/B(U)F-85                    | 0      |                          | 2003.03.23               |  | S1B61-S9B61                    |  | 6/85                       |
| J/68/B(M)F-85<br>J/73/AF-85      | 0<br>1 | 1997.05.12<br>1989.12.04 |                          | HZ-75T<br>DOT-6M (15 Gallon)               | S1B68, S2B68<br>S1A73 `S60A73  |  | 6/85<br>6/73               |
| J/75/B(U)F-85                    | 1      |                          | 2003.02.28               | PUCON                                      | S1B75-S4B75                    | X  | 6/85                       |
| J/81/B(M)F-85                    | 2      |                          | 2002.08.02               |  | S1B81,S2B81                    |  | 6/85                       |
| J/82/B(M)-85<br>J/85/B(U)F-85    | 2      | 1999.08.03               | 2003.12.31               | NR-10<br>TN6-4                             | S1B82-S3B82<br>S1B85           | X X<br>X X   | 6/85<br>6/85               |
| J/92/B(U)F-85                    | 3      | 1997.12.11               |                          | TN6-5                                      | S1B03                          |  | 6/85                       |
| RA/0025/AF-85                    | 8      |                          | 2003.10.31               | DALMA (CNEA)                               | 50                             |  | 6/85AA                     |
| RA/0028/AF-85<br>RA/0030/S-85    | 7<br>7 |                          | 2003.10.31               | CALBEL (CNEA)<br>CNEA FIS 60-04            | 40 only one<br>ALL             | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85AA                     |
| RA/0032/S-85                     | 7      |                          |                          | CNEA FIS 60-05                             | ALL                            | XXXX   |                            |
| RA/0040/S-96                     | 7      | 2002.05.31               | 2005.04.14               | POLYTEC RM-10 and RM-19                    | ALL                            | X X X X  |                            |
| RA/0042/S-85<br>RA/0043/S-85     | 7<br>4 |                          |                          | CNEA FIS 60-03 / R 2089                    | ALL                            | XXXX   |                            |
| RA/0045/S-85                     | 8      |                          |                          | CNEA FSM 60-03<br>CNEA AC-345              | ALL<br>ALL                     | X X X X X X X X X X X X X X X X X X X                |                            |
| RA/0064/S-85                     | 4      | 2001.04.21               | 2004.04.21               | CNEA COB-9-A                               | ALL                            | X  X  X  X   | 6/85AA                     |
| RA/0068/AF-85<br>RA/0072/B(U)-85 | 2      |                          | 2003.04.30               | TRPOL - 1 (CNEA)<br>MODEL GURI 01          | 10 thru 17<br>01 and 02        | XX   | 6/85AA                     |
| RA/0074/B(U)-85                  | 2      |                          | 2003.03.30 2004.03.30    | CONTRAS (INVAP S.E.)                       | 01-02 and 03                   | XXXX   |                            |
| RA/0090/B(U)-85                  | 0      |                          | 2003.04.30               | MODEL EMI-9 (SINERCOM S.A.)                | 01 (ONLY ONE)                  |  | 6/85AA                     |
| RU/001N/C-96                     | 1      |                          | 2006.10.30               |  | All                            | XXXX   |                            |
| RU/002N/S                        | 1 2    |                          | 2003.03.01<br>2003.03.01 |  | All<br>All                     | X X X X X X  |                            |
| RU/003N/B(U)-85                  | 1      | 1994.06.10               | 2003.12.31               | UKTIB-GD                                   |                                | X $X$ $X$ $X$  | 6/85AA                     |
| RU/011N/S                        | 4      |                          | 2003.01.20               |  | ALL                            | XXXX   |                            |
| RU/013N/B(U)-85<br>RU/013N/S     | 1      |                          | 2002.09.25               | UKT1B-90<br>210.G01-NP210.G05              | ALL<br>ALL                     | X X X X X X  |                            |
| RU/014N/B(U)-85                  | 1      |                          | 2005.08.01               |  | ALL                            | XXXX   |                            |
| RU/017N/S                        | 1      |                          | 2003.10.05               |  | ALL                            | X  X  X  X   | 6/85AA                     |
| RU/020N/S<br>RU/021N/S           | 1<br>1 |                          |                          | IBN-8-1, IBN-8-9<br>IBN-241 on Am-241 base | ALL<br>ALL                     | X X X X X X X X X X X X X X X X X X X                |                            |
| RU/022N/S                        | 1      |                          |                          | IBN-1 and IBN-28                           | ALL                            | XXXX   |                            |
| RU/024N/S                        | 1      | 1995.01.01               | 2004.12.31               | GIT-K ON BASE OF Co-60                     | ALL                            | X $X$ $X$ $X$  | 6/85AA                     |
| RU/024N1/B(U)-85                 | 1      | 2002.01.01               | 2007.01.01               | UKTIB-80                                   | A11                            | X  X  X  X   | ST-1                       |

| CERTIFICATE<br>NUMBER   | REV                             | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS  | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D   |
|---|---------------------------------|--|--|---|---|--|
| RU/026N/T<br>RU/029N/T<br>RU/030N/A-85<br>RU/030N/S<br>RU/031N/A-85<br>RU/031N/T<br>RU/032N/B(U)-85<br>RU/033N/B(U)-85<br>RU/034N/B<br>RU/034N/S<br>RU/034N/B(U)-85<br>RU/034N/B(U)-85<br>RU/034N/B(U)-85 | 0                               | 1995.04.10<br>1998.06.15<br>1998.01.30<br>2001.09.06<br>2001.06.22<br>2001.08.01<br>2001.07.05<br>2000.01.01 | 2004.12.01<br>2002.10.16<br>2005.04.21<br>2003.06.15<br>2003.01.30<br>2006.09.06<br>2006.06.02<br>2006.08.01<br>2006.07.05<br>2004.07.26<br>2004.09.23 | UKT-8M (TYPE A) SEALED CAPSULE C-1 GRK-1 0666AY /TYPE B) UKTIB-K eI4.179.009-M UKTIB-5M(KTP-5M) RIT238.H03, RIT238.H04 UKTIB-5M | ALL<br>A11<br>ALL<br>A11<br>A11<br>A11<br>A11<br>019<br>21, 22<br>A11 | X X X X 6/85<br>X X X X ST-1<br>X X X X 6/85AA<br>X X X X 6/85AA<br>X X X X 6/85AA<br>X X X X 57-1<br>X X X X ST-1<br>X X X X ST-1 |
| RU/036N/B(U) -85<br>RU/037N/B(U) -85<br>RU/038N/B(U) -85<br>RU/038N/S<br>RU/039N/B(U) -85<br>RU/040N/B(U) -96   | 1<br>1<br>1<br>2<br>2           | 2001.08.01<br>2002.01.01<br>2002.01.01<br>2000.05.25   | 2006.08.01<br>2007.01.01<br>2007.01.01<br>2003.09.01<br>2007.01.01   | UKTIB-165-6 (KP-1) UKTIB-1 UKTIB-120  | All<br>All<br>All<br>ALL<br>All                                       | X X X X ST-1<br>X X X X ST-1<br>X X X X ST-1<br>6/85<br>X X X X ST-1<br>X X X ST-1   |
| RU/041N/S<br>RU/042/B(M)F-85T<br>RU/043/N1/B(U)-85<br>RU/043N1/B(U)-85<br>RU/044/B(M)F-85T<br>RU/044/B(M)F-85T A1   | 1<br>4<br>1<br>0<br>2<br>2      | 2002.03.18<br>2001.04.04<br>1997.12.26<br>1998.01.14<br>1999.09.11   | 2002.12.26<br>2002.12.26<br>2002.12.31<br>2002.12.31   | TUK-11BN  | A11<br>A11<br>A11<br>6.7<br>A11<br>ALL                                | X X X X ST-1<br>6/85<br>6/85AA<br>X X X X 6/85AA<br>X 6/85<br>X 6/85   |
| RU/044/B(M)F-85T Ad<br>RU/044/B(M)F-85T/A1<br>RU/044N1/B(U)-96<br>RU/046/B(U)F-85T<br>RU/046/B(U)F-85T Ad<br>RU/047N/B(U)-85<br>RU/048/B(M)F-85T  | 2<br>2<br>1<br>4<br>4<br>0<br>3 | 2002.03.01<br>2001.08.03<br>2002.03.06   | 2002.12.31<br>2007.03.01<br>2002.08.31<br>2002.08.31<br>2002.09.25   | TUK-11BN<br>TUK-11BN<br>UKT-D11<br>TUK-13B<br>TUK-13B<br>UKT-1B-3 (TYPE B)<br>TUK-10B   | A11<br>ALL<br>A11<br>A11<br>A11<br>02, 02<br>A11                      | X 6/85<br>X 6/85<br>X X X X ST-1<br>X 6/85<br>X 6/85<br>X X X X 6/85AA<br>X 6/85   |
| RU/048/B(M)F-85T Ad<br>RU/048N/B(U)-85<br>RU/049N/B(U)-85<br>RU/050/B(M)F-85T<br>RU/050/B(M)F-85T Ad<br>RU/050N/B(U)-85   | 3<br>0<br>2<br>3<br>3           | 2002.03.06<br>1997.09.25<br>1998.04.01<br>2000.12.27<br>2002.03.06<br>1997.11.10                             | 2003.12.31<br>2002.09.25<br>2002.12.18<br>2003.12.31<br>2003.12.31<br>2002.11.10   | TUK-10B D80161 (TYPE B) UKT1B-150000/4100 (type B) TUK-10B-1 TUK-10B-1 UKT111B-Pu-0.3 (TYPE B)                                  | A11<br>201-207<br>A11<br>A11<br>A11                                   | X  |
| RU/051N/B(U) -85<br>RU/052/B(M)F -85T<br>RU/052/B(U)F -85T<br>RU/052/B(U)F -85T Ad<br>RU/052N/B(U) -85<br>RU/053/B(U)FT<br>RU/053/B(U)-85   | 0<br>3<br>3<br>3<br>3<br>3      | 1999.12.30<br>1999.12.30<br>2002.03.06<br>2000.10.25<br>2001.10.22   | 2002.12.31<br>2002.12.31<br>2002.12.31<br>2002.11.10<br>2003.12.31   | TUK-13/1B<br>TUK-13/1B<br>UKT1B-250M (TYPE B)   | ALL<br>All<br>All<br>All<br>004-015                                   | X X X X 6/85AA<br>X 6/85AA<br>X X 6/85<br>X X X 6/85<br>X X X X 6/85<br>X X X X 6/85AA   |
| RU/054N/B(U) -85<br>RU/055/B(U)F-85T<br>RU/055N/B(U) -96<br>RU/055N/S<br>RU/056N/B(U) -96<br>RU/056N/S  | 0<br>2<br>1<br>0<br>0           | 1998.03.21<br>2000.09.22<br>2001.04.04<br>1998.01.20<br>2000.01.01   | 2003.03.21<br>2003.06.30<br>2004.02.04<br>2003.01.20   | UKTIB-0,3-0090 (TYPE B) TUK-19/1 UKTIB-85-4 RU/055N/S UKTIIB(U)313-1, UKTIIB(U)495  | A11<br>A11<br>650-655   | X X X X 6/85AA<br>X 6/85<br>X X X X ST-1<br>X X X X 6/85AA<br>X X X X ST-1<br>X X X X 6/85AA   |
| RU/057N/B(U) -85<br>RU/057N/S<br>RU/057N/T<br>RU/058N/B(U) -96<br>RU/058N/S<br>RU/059N/B(U) -96   | 0<br>2<br>1<br>2<br>1           | 2001.11.30<br>1997.05.15<br>2000.09.06<br>1998.08.03<br>2000.10.15   | 2003.08.03<br>2004.03.05<br>2005.03.15<br>2003.08.03<br>2005.10.15   | UKTIB(U)-96-7<br>CAPSULE SN4<br>SK-4  | All<br>ALL<br>All   | X X X X 6/86AA<br>X X X X ST-1<br>X X X X 6/85AA<br>X X X X ST-1<br>X X X X 6/85AA<br>X X X X ST-1   |
| RU/059N/T<br>RU/060N/B(U)-96<br>RU/060N/T<br>RU/061N/B(U)-96<br>RU/061N/S<br>RU/061N/T  | 0<br>0<br>0<br>0<br>0           | 1997.09.10<br>2000.10.25<br>2000.01.01<br>1997.10.27   | 2005.10.25<br>2002.09.10<br>2005.10.25<br>2004.09.02<br>2002.10.27   | UKT-M<br>UKTIB(U)-96-8GD<br>TP-1/t (TYPE B)<br>UKTIB(U)-96-9GD<br>TK<br>F-327/F-318, TYPE B<br>UKTIB(U)-26M                     | 022,026<br>ALL<br>1,2<br>ALL  | X X X X 6/85AA<br>X X X X ST-1<br>X X X X 6/85AA<br>X X X X ST-1<br>X X X X 6/85AA<br>X X X X 6/85AA   |
| RU/062N/B(U)-96<br>RU/062N/S<br>RU/063N/B(U)-96<br>RU/063N/S  | 1<br>1<br>1                     | 2001.10.30<br>2001.11.15   | 2006.10.30   | GAM1.06-GAM1.08, GVA3.06<br>UKTIB(U)-96-10  | All<br>ALL  | X X X X ST-1<br>X X X X ST-1<br>X X X ST-1<br>ST-1   |

| CERTIFICATE<br>NUMBER  | REV   | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                          | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D                 | SAFETY<br>SERIES<br>NUMBER   |
|--|---|--|--|---|---|---|--|
| RU/063N/T<br>RU/064N/S<br>RU/064N/T<br>RU/065N/S<br>RU/066N/S<br>RU/066N/T<br>RU/067N/S<br>RU/070/B(U)FT<br>RU/071N/T<br>RU/071N/T<br>RU/071N/T<br>RU/072N/T                 | 1<br>1<br>1<br>1<br>0<br>-<br>3<br>0<br>3<br>0<br>0 | 2000.12.15<br>1998.07.31<br>2001.10.30<br>2001.07.18<br>1998.01.20<br>1998.08.03<br>2001.02.16<br>1998.02.19<br>2001.04.10<br>1998.04.01 | 2005.12.15<br>2003.01.20<br>2006.10.30<br>2006.07.18<br>2003.01.20<br>2003.08.03<br>2003.12.31<br>2003.02.19<br>2003.12.31<br>2003.04.01 | BEBIG 1.13 (TYPE A)<br>CAPSULE TYPE KRP<br>TUK-32<br>ETTAS-02 (TYPE A)  | A11<br>ALL<br>A11<br>A11<br>A11<br>A11<br>01065<br>01 | X X X X X X X X X X X X X X X X X X X                         | ST-1<br>6/85AA<br>ST-1<br>ST-1<br>6/85AA<br>6/85AA<br>6/73<br>6/85AA<br>6/73<br>6/85AA |
| RU/074/B(M)F-85T<br>RU/076/B(M)F-85T<br>RU/076N/T<br>RU/077N/T<br>RU/078/B(M)F-85T<br>RU/081N/T<br>RU/082N/T<br>RU/086/B(M)FT  | 1 1 1 1   | 2001.04.10<br>2001.04.10<br>1998.05.27<br>1998.05.27<br>1996.08.05<br>1998.08.03<br>1998.09.15   | 2004.03.31<br>2004.03.31<br>2003.05.27<br>2003.05.27<br>2002.12.31<br>2003.08.03<br>2003.08.20<br>2003.12.31                             | TUK-6-3<br>TUK-10B-3<br>KP-1 (type A)<br>KP-2 (type A)<br>TUK-6-4<br>SAFPAK<br>NGCS-BA (Type A)<br>TUK-11R-1            | A11<br>A11<br>56<br>14.58.61.99<br>A11                | X<br>X<br>X X X X<br>X X X X<br>X X X X<br>X X X X<br>X X X X | 6/85<br>6/85AA<br>6/85AA<br>6/85<br>6/85AA   |
| RU/088N/T<br>RU/090N/T<br>RU/091N/T<br>RU/092N/T<br>RU/093N/T<br>RU/094N/T<br>RU/095N/T<br>RU/096/B(M)FT<br>RU/096N/A-96T  | 1<br>1<br>1<br>1<br>1                               | 2001.07.05<br>2001.07.18<br>2001.07.18<br>2001.07.18<br>2001.09.05<br>2002.01.01   | 2004.07.05<br>2006.07.18<br>2006.07.18<br>2006.07.18<br>2004.09.05<br>2007.01.01<br>2004.03.31   | UKTIB-96-7<br>UKTIIB-24<br>eI4.059.037<br>eI4.189.029<br>eI4.189.031<br>2767B (SAFPAK-B)<br>KTO-800<br>TUK-6-1<br>UKTIA | ALL<br>All<br>All<br>All<br>All<br>All                | X X X X X X X X X X X X X X X X X X X                         | ST-1<br>ST-1<br>ST-1<br>ST-1<br>ST-1<br>ST-1   |
| RU/100/B(M)FT<br>RU/101/B(U)F-85T<br>RU/101/B(U)F-85T Ad<br>RU/102/B(U)-96T<br>RU/102/B(U)F-96T<br>RU/104/B(U)FT<br>RU/104/B(U)FT Add.1<br>RU/105/B(U)F-85T                  | 3<br>3<br>3<br>3<br>3<br>3<br>3                     | 1997.12.01<br>2001.12.07<br>1999.12.03<br>1999.12.03<br>1997.11.18<br>1997.12.25<br>2002.01.17   | 2003.12.31<br>2003.12.31<br>2002.12.31<br>2002.12.31<br>2003.12.31   |   | A11<br>A11<br>ALL<br>A11<br>A11<br>A11                | X X X X X X X X X X X X X X X X X X X                         | 6/73<br>6/85<br>6/85<br>ST-1<br>ST-1<br>6/73<br>6/73                                   |
| RU/111/B(U)F-85<br>RU/111/B(U)F-85T<br>RU/112/B(U)F-85<br>RU/112/B(U)F-85T<br>RU/113/B(U)F-85<br>RU/113/B(U)F-85T<br>RU/116/B(U)F-85<br>RU/116/B(U)F-85T                     | 2<br>3<br>2<br>3<br>2<br>3<br>2<br>5<br>6           | 1999.02.09<br>2002.03.12<br>1999.02.09<br>2002.03.12<br>1999.07.06   | 2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31   |   | A11<br>A11<br>A11<br>A11<br>A11<br>A11<br>A11<br>A11  | X X<br>X X<br>X X<br>X X X                                    |  |
| RU/118/B(U)F-85T<br>RU/118/B(U)F-85T A1<br>RU/118/B(U)F-85T A1<br>RU/118/B(U)F-85T Ad<br>RU/119/B(U)F-85<br>RU/119/B(U)F-85T<br>RU/145/B(U)FT                                | 1 2 3 - 2 1   | 1997.06.11<br>1998.01.28<br>2000.11.04<br>1998.06.30<br>1998.06.30<br>1998.08.25<br>1998.08.25   | 2002.12.31<br>2002.12.31<br>2002.12.31<br>2002.12.31<br>2002.12.31<br>2003.12.31<br>2003.12.31<br>2002.12.31                             | TK-S4<br>TK-S4<br>TK-S4<br>TK-S4<br>TK-S4<br>TK-S4<br>TK-S4<br>TK-S33   | A11<br>A11<br>A11<br>ALL<br>A11<br>A11<br>A11         | X X X X<br>X X X<br>X X X                                     | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/73                                   |
| RU/148/B(U)FT<br>RU/157/B(U)F-85T<br>RU/159/B(U)F-85T<br>RU/163/B(U)FT<br>RU/163/B(U)FT Add.1<br>RU/167/B(U)F-85<br>RU/167/B(U)F-85T<br>RU/167/B(U)F-85T Ad<br>RU/168/B(U)FT | 1<br>2<br>2<br>1<br>1<br>1                          | 2002.02.07<br>2001.12.25<br>1998.01.09<br>2001.11.15<br>1999.02.09<br>2002.02.13<br>2002.02.15<br>2002.01.17                             | 2003.12.31<br>2002.12.31<br>2002.12.31<br>2002.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31                             | TK-S48/2  | A11<br>A11<br>A11<br>A11<br>A11<br>A11<br>A11         | X X X X X X X X X X X X X X X X X X X                         |  |
| RU/174/B(U)F-85<br>RU/200/B(U)F-85T<br>RU/202/B(U)F-85T<br>RU/2043/S   | 2<br>3<br>0   | 2002.01.17   | 2003.03.31   | TK-S15/1<br>TUK-30<br>TUK-29<br>TRANSPORT CAPSULE KTM-05  | All<br>All  | X<br>X X X  | 6/85<br>6/85<br>6/85<br>ST-1   |

| CERTIFICATE<br>NUMBER  | REV                   | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS    | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D        |  |
|--|-----------------------|--|--|---|---------------------------------|--|--|
| RU/2044/S<br>RU/2045/S<br>RU/2047/S<br>RU/2053/S<br>RU/2056/B(U)<br>RU/2058/T<br>RU/2067/S         | 0<br>0<br>0<br>0<br>0 | 2000.04.01<br>2000.04.01<br>2000.05.15<br>2000.07.25<br>2000.09.20 | 2005.03.31<br>2005.03.31<br>2005.05.14<br>2005.07.24                             | MODEL GK60T2<br>GK 60M3<br>UKTIB-60-1, UKTIB-60-02<br>MEDICAL DIAGNOSTIC SETS |                                 | X  |  |
| RU/2068/T<br>RU/207/B(M)F-85T<br>RU/2075/S<br>RU/2076/S<br>RU/2077/S                               | 0<br>3<br>0<br>0      | 2000.09.20<br>2001.01.16<br>2000.12.01<br>2000.12.01               |  | MEDICAL DIAGNOSTIC SETS<br>TUK-27<br>GI 192 M6<br>GI 192 M5                   | All                             | X X X X  | ST-1<br>6/85<br>ST-1<br>ST-1<br>ST-1         |
| RU/2081/T<br>RU/209/B(U)F-85T<br>RU/2091/S<br>RU/2092/S  | 0<br>2<br>0<br>0      | 2001.02.05<br>2000.01.24<br>2001.04.15<br>2001.04.15               | 2006.02.04<br>2005.01.01<br>2006.04.14<br>2006.04.14                             | UKT1A-CQ3007<br>TUK-24<br>MODEL GK60R<br>NK252M11.19                          | All                             | X X X X  | ST-1<br>6/85<br>ST-1<br>ST-1                 |
| RU/211/B(M)F-85T<br>RU/219/B(M)F-85T<br>RU/223/B(U)F-85T<br>RU/223/B(U)F-85T<br>AU/224/B(U)F-85T   | 1<br>5                | 2002.01.23<br>1999.01.14<br>1999.11.22<br>2002.02.05               | 2002.12.31<br>2002.12.31<br>2003.06.30   | TÜK NCI-21PF-1<br>TUK-36<br>TUK-36<br>TUK-39                                  | All<br>All<br>All<br>All        | X<br>X<br>X  | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/2300/B(M)F-85T<br>RU/2301/B(M)F-85T<br>RU/2302/AF-85T<br>RU/2304/A-85T<br>RU/2305/A-85T         | 1                     | 1998.09.24<br>2000.09.04<br>1998.11.17<br>1999.02.09               | 2003.07.01<br>2003.08.31<br>2003.05.31<br>2003.03.31                             | 48F<br>SAMPLER V=0,5L   | All<br>All<br>All<br>All        | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |  |
| RU/2308/A-85T<br>RU/2308/A-85TAdd.1<br>RU/2311/B(U)F-85T<br>RU/2312/B(U)F-85T<br>RU/2316/B(U)F-85T | 1                     | 2001.12.07<br>1999.10.11<br>1999.10.11<br>2001.01.05               | 2003.07.31<br>2002.09.30<br>2002.09.30<br>2003.12.31                             | TUK-39M<br>COG-OP-30B   | All<br>All<br>All<br>All        | X X<br>X X<br>X X                                    | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/2317/A-85T<br>RU/2319/A-85T<br>RU/2321/B(M)F-85T<br>RU/2323/A-85T<br>RU/2330/B(U)F-85T          |                       | 2001.08.22<br>2001.02.23<br>2000.05.26<br>2000.10.20               | 2006.02.28<br>2003.01.31<br>2002.12.31   | 0485 MEVA<br>UX-30<br>TUK-44/6<br>TUK-115                                     | All<br>All<br>All<br>All        | X X<br>X X<br>X                                      | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/2332/B(M)F-85T<br>RU/2333/A-85T<br>RU/234/B(U)F-85T<br>RU/236/B(M)F-85T<br>RU/238/A-85T         | 3                     | 2001.08.22<br>2002.02.05<br>2001.06.04<br>2001.02.01               | 2004.02.21<br>2003.12.31   | 0272 MEVA<br>TUK-39M<br>BU-J<br>TUK-44/1                                      | All<br>All<br>All<br>All        | X X<br>X<br>X X<br>X X                               | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/242/A-85T<br>RU/242/A-85T ADD.1<br>RU/242/A-85T Add.1<br>RU/243/A-85T<br>RU/243/A-85T ADD.1     | 3<br>3<br>2<br>2      | 2001.02.19<br>2001.02.19<br>1999.09.30                             | 2003.06.30<br>2003.06.30<br>2003.06.30<br>2002.09.30<br>2002.09.30               | TUK-44/3<br>TUK-44/3<br>TUK-44/3<br>48Y<br>TUK-48Y                            | All<br>ALL<br>All<br>All<br>ALL | X X<br>X X<br>X X<br>X X                             | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/243/A-85T Add.1<br>RU/246/A-85T<br>RU/247/A-85T<br>RU/250/A-85T<br>RU/250/A-85T ADD.1           | 2<br>1<br>4<br>1<br>1 | 1999.10.05<br>2001.06.04<br>1996.02.22                             | 2002.09.30<br>2002.09.30<br>2004.01.31<br>2003.02.28<br>2003.02.28               | 48Y<br>48Y<br>TUK-44/4<br>TUK-44/5<br>TUK-44/5                                | All<br>All<br>All<br>All<br>ALL | X X<br>X X<br>X X<br>X X                             | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/250/A-85T Add1<br>RU/251/B(U)F-85T<br>RU/251/B(U)F-85TAdd<br>RU/254/A-85T<br>RU/255/A-85T       | 1<br>2<br>2<br>1<br>1 | 2000.01.28<br>2001.09.05<br>1998.02.16<br>1998.02.16               | 2003.02.28<br>2003.01.31<br>2003.01.31<br>2002.10.30<br>2002.10.30               | TUK-44/5<br>TUK-49<br>TUK-49<br>TTE-0.8<br>TTE-1.0                            | All<br>All<br>All<br>All        | X X<br>X X<br>X X<br>X                               | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/259/A-85T<br>RU/264/A-85T<br>RU/281/A-85T<br>RU/289/B(M)F-85T<br>RU/290/A-85T                   | 2<br>2<br>2<br>1      | 2001.11.15<br>2000.05.26<br>1997.09.11                             | 2003.01.31<br>2004.10.30<br>2003.03.31<br>2004.06.30                             | TTE-6L<br>TUK-43<br>2S SAMPLER<br>TUK-86<br>TUK-75                            | All<br>All<br>All               | X<br>X   | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| RU/291/A-85T<br>RU/292/A-85T<br>RU/293/A-85T<br>RU/294/A-85T<br>RU/296/A-85T<br>RU/298/A-85T       | 1 1                   | 1997.09.11<br>1997.09.11<br>1998.06.22                             | 2004.06.30<br>2004.06.30<br>2004.06.30<br>2004.06.30<br>2002.12.01<br>2002.12.01 | TUK-76<br>TUK-77<br>TUK-78, V=50L<br>TUK-79, V=60L<br>TUK-62<br>TUK-64        | All<br>All<br>All<br>All<br>All | X<br>X<br>X<br>X                                     | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |

| CERTIFICATE<br>NUMBER   | REV                        | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                  | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER   |
|---|----------------------------|--|--|---|---|---|--|
| RU/300/B(U)-85T<br>RU/3002/AF-85T<br>RU/3007/IF-85T<br>RU/3008/IF-85T<br>RU/3009/IF-85T<br>RU/3010/B(M)F-85T<br>RU/3011/IF-96<br>RU/3012/IF-96<br>RU/3013/IF-96<br>RU/3013/IF-96T<br>RU/3015/IP-96T<br>RU/3016/IP-96T<br>RU/3017/IP-96T | 1 1                        | 2001.06.05<br>2001.08.31<br>2001.08.31<br>2001.07.16<br>2002.01.11<br>2002.01.11<br>2002.04.16<br>2002.01.11<br>2002.04.16<br>2002.01.01<br>2002.01.01<br>2002.02.01 | 2003.06.30<br>2004.02.28<br>2002.08.31<br>2002.12.31<br>2003.01.31<br>2003.01.11<br>2003.01.11<br>2003.01.11<br>2003.01.11<br>2002.12.31<br>2003.01.10<br>2003.01.01<br>2003.02.01<br>2003.02.01 | TUK-19/2 TUK SP-1, SP-2 TUK ANF-10 TUK TYPE V TUK SH-E TUK NNED 5x22 TK-S14 TK-S15 TUK TK-S15 TUK TK-S16 TUK TK-S16 TUK TK-S16 TUK BU-J TUK BU-J TUK BOCHKA 3508A   | A11   | X X X X X X X X X X X X X X X X X X X         | 6/85<br>6/85   |
| RU/3018/B(U)F-96T<br>RU/303/B(U)-85T<br>RU/304/A-85T<br>RU/305/A-85T<br>RU/306/A-85T<br>RU/307/A-85T<br>RU/308/A-85T<br>RU/309/A-85T<br>RU/310/A-85T  | 2<br>1<br>1<br>1           | 2002.03.14<br>2000.01.10<br>2000.01.10<br>2000.01.10<br>1998.05.26<br>1998.05.26   | 2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31   | BOX WITH P-10 SAMPLER DOT-17C BARREL WITH P-10 SAMPLER CONTAINER WITH P-10 SAMPLER CONTAINER WITH P-10 SAMPLER DOT-17C BARREL WITH P-10 SAMPLER BOX WITH P-10 SAMPLER   | A11<br>A11<br>A11<br>A11<br>A11<br>A11<br>A11 | X X X X X X X X X X X X X X X X X X X         | 6/85   |
| RU/316/A-85T<br>RU/317/I-96T<br>RU/318/I-96T<br>RU/319/H(U)-96T<br>RU/400/A-85T<br>RU/401/A-85T<br>RU/402/A-85T<br>RU/403/A-85T   |                            | 2001.07.05<br>2001.10.15<br>2001.10.01<br>2001.12.21<br>1998.02.16<br>1998.02.16<br>1998.02.16<br>1998.02.16   | 2006.02.02<br>2002.12.31<br>2004.07.31<br>2006.02.02<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31   | 2000 MED<br>TUK-119<br>TUK-44/8<br>2000 MED<br>TUK-70<br>TUK-71<br>TUK-72<br>TUK-73   | A11<br>A11<br>A11<br>A11<br>A11<br>A11<br>A11 | X X X X X X X X X X X X X X X X X X X         | 6/85<br>TS-R-1<br>TS-R-1<br>TS-R-1<br>6/85<br>6/85<br>6/85<br>6/85           |
| RU/407/A-85T<br>RU/415/A-85T<br>RU/416/A-85T<br>RU/417/A-85T<br>RU/418/A-85T<br>S/0017/B(U)F<br>S/0055/B(U)-85  | 1<br>1<br>9<br>3           | 1998.06.22<br>1998.06.22   | 2002.12.01<br>2002.12.01<br>2002.12.01<br>2004.11.30<br>2004.01.31   | TUK-89 TUK-91 TUK-92 TUK-93 SAMPLER V=0.5L 29-TONS EMBALLAGET TN 17 CC  | A11<br>A11<br>A11<br>A11<br>1<br>ALL          | X<br>X<br>X<br>X X X<br>X X X<br>X X X        |  |
| S/0057/B(U)-85<br>S/0156/B(U)-85<br>S/17/B(U)F<br>S/50/IF-85<br>USA/0018/S<br>USA/0036/S<br>USA/0043/S  | 3<br>0<br>9<br>1<br>7<br>6 | 1997.08.29   | 2004.02.29<br>2003.10.31<br>2004.01.31<br>2004.01.31<br>2005.11.01   | NRD Model A001 Nuclear foils  | ALL   | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/85<br>6/85AA<br>6/85AA<br>6/73AA                                 |
| USA/0058/S<br>USA/0062/S<br>USA/0065/S<br>USA/0066/S<br>USA/0071/S<br>USA/0074/S<br>USA/0078/S  | 6<br>6<br>7<br>6<br>5<br>5 | 1999.07.29<br>1999.05.06<br>2000.11.06<br>1998.07.22<br>1998.06.25<br>1997.09.08   | 2004.08.31<br>2004.05.31<br>2005.11.01<br>2003.07.31<br>2003.06.30<br>2002.08.31<br>2006.04.01   |   | ALL<br>ALL                                    | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA                               |
| USA/0080/S<br>USA/0087/S<br>USA/0088/S<br>USA/0095/S<br>USA/0112/S<br>USA/0113/S<br>USA/0114/S<br>USA/0115/S<br>USA/0116/S  | 3 4 5 8 5 8 5 8 4 4 0      | 2000.06.23<br>1998.11.23<br>1997.08.27<br>2000.09.27<br>1998.07.07<br>1999.08.05<br>1998.05.29<br>1997.09.08<br>2000.11.06   | 2005.06.30<br>2003.12.01<br>2002.08.31<br>2005.09.30<br>2003.06.10<br>2003.06.30<br>2003.05.31<br>2002.08.22<br>2005.11.30   | MONSANTO (DRAWING NO. SK195/2A0) Dresser Atlas Model DA-5 DRESSER ATLAS MODEL DA-20 SERIES B, G, R AND T SCHLUMBERGER NSR-GB NSR-F, NSR-D and NSR-R GULF NUCLEAR AmBe 71-1 Gulf Nuclear Model VL-1 HALLIBURTON X-602-04-101 | BEFORE 1JAN00                                 | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA |
| USA/0135/S<br>USA/0137/S<br>USA/0141/S<br>USA/0149/S<br>USA/0154/S<br>USA/0158/S  | 8<br>4<br>9<br>5<br>7<br>4 | 1998.06.25<br>1999.07.29<br>2000.08.30<br>1997.09.08   | 2004.08.31<br>2005.08.31<br>2002.09.08   | MODEL NOS. NSR-M and NSR-L<br>3M Model 4D6P /before 1989.08.03<br>GEN-CF-IX OR 2765-AA00<br>Gulf Nuclear Model AmBe 71-2A<br>Amersham 60001.60004.60006, MORE<br>E.I. DuPont/NEN NER-479C                                   | prior1988-3-08                                | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA   |

| CERTIFICATE<br>NUMBER  | REV                   | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS        | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D        | SAFETY<br>SERIES<br>NUMBER                     |
|--|-----------------------|--|--|---|-------------------------------------|--|--|
| USA/0165/S<br>USA/0166/S<br>USA/0174/S<br>USA/0179/S<br>USA/0221/S<br>USA/0221/S<br>USA/0257/S<br>USA/0263/S | 7<br>6<br>7<br>4      | 1997.09.03<br>1997.08.13<br>1998.09.18<br>1999.08.20<br>2000.03.23<br>2000.01.12 | 2002.09.01<br>2002.08.31<br>2003.09.30<br>2004.08.31<br>2005.06.01<br>2004.12.31 | A424-2 THRU A424-19, MORE VD, VD(HP), NB, NBG, NB(HP) Gulf Nuclear Model CS-2 Amersham Series 900 Ir Capsule IPL LINE SOURCE,301 SERIES AB Elekta 43047 & 43685 Amersham Model 849 MONSANTO MODEL 24195 | ALL                                 | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| USA/0277/S<br>USA/0283/S<br>USA/0292/S<br>USA/0297/S   | 3<br>3<br>6<br>3      | 1999.02.16<br>1998.08.14   | 2004.01.31<br>2003.08.31<br>2006.10.31   | BN-450-14 and BN-450-14-A<br>3M Model 3FIG /before 1989.08.03<br>Neutron Products NPTT Series<br>Industrial Nuclear Model A   | SEE CERT!                           | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>TS-R-1                     |
| USA/0331/S<br>USA/0335/S<br>USA/0336/S<br>USA/0350/S   | 4<br>5<br>7<br>4      | 1998.12.15<br>1999.08.16<br>2001.07.17   | 2003.12.15<br>2004.08.31<br>2006.08.01   | Gammatron Model AN-HP Amersham 875 Series IPL MODEL XFB-3 Isotope Prod. Labs. Model 343   | ALL<br>ALL                          | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                     |
| USA/0351/S<br>USA/0352/S<br>USA/0353/S<br>USA/0354/S   | 4<br>4<br>4<br>4      | 2000.03.23<br>2000.08.09<br>2000.02.07   | 2005.03.31<br>2005.08.31   | IPL Model N-252 Isotope Prod. Labs. Model 295 IPL Model 193 Isotope Prod. Labs. Model 274-1   | ALL                                 | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                     |
| USA/0356/S<br>USA/0357/S<br>USA/0361/B(U)F-85<br>USA/0363/S  | 8<br>7<br>4<br>4      | 1999.07.16<br>2001.05.17<br>1998.11.09   | 2004.08.01<br>2006.04.01<br>2003.09.30   | IPL A3000,-15, -23, -24, -30<br>IPL A3214 and A3203<br>PAT-1<br>AMERSHAM X38/4  |                                     | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                     |
| USA/0367/S<br>USA/0376/S<br>USA/0377/S<br>USA/0383/S   | 5<br>3<br>4<br>2      | 2001.06.25<br>1998.08.28   | 2006.03.31<br>2006.06.30<br>2003.08.31   | FRONTIER MODEL 10 AND 100 SERIES<br>GAMMATRON SPEC. SS-2050<br>Tech/Ops 60011, 60012, 60013<br>CORATOMIC TYPE X SOURCE, PACEMAKE  |                                     | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/73AA                     |
| USA/0392/S<br>USA/0393/S<br>USA/0394/S<br>USA/0411/AF<br>USA/0411/H(U)-96                                    | 5<br>3<br>2<br>8<br>0 | 2002.02.08<br>1998.10.16   | 2007.02.07<br>2003.10.31<br>2006.09.01   | Amersham Series 875 Capsule<br>CIS-US Model 791<br>AMERSHAM 922<br>Models 5A, 5B, 8A, 12A, 12B MORE<br>CYLS. MODEL NOS. 5A, 5B, 8A MORE   |                                     | X X X X X X X X X X X X X X X X X X X                | TS-R-1<br>6/85AA<br>6/73AA                     |
| USA/0419/S<br>USA/0420/S<br>USA/0427/S<br>USA/0458/S   | 2<br>2<br>3<br>3      | 2000.01.05<br>2000.01.21   | 2004.08.31<br>2005.01.31<br>2005.03.31   | 3M Model 4P6E 3M Model 4P6M CIS-US MODELS 772 AND 774 NEUTRON PRODUCTS NPRP 450-10-B  | PRIOR 3AUG89<br>prior 3Aug89<br>ALL | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA                               |
| USA/0462/S<br>USA/0463/S<br>USA/0464/S<br>USA/0494/S   | 4<br>1<br>1<br>1      | 2000.08.30<br>1998.09.03<br>2000.09.01   | 2005.08.31<br>2003.06.30<br>2005.09.01   | IPL MODELS 3021 AND 3027<br>J.L. SHEPHERD MODEL 7810-109-BP<br>SHEPHERD MODEL 6810-190<br>OMNITRON SL-777 and SL-777V   |                                     | X X X X<br>X X X X<br>X X X X                        | 6/85AA<br>6/85AA                               |
| USA/0497/S<br>USA/0498/S<br>USA/0500/S<br>USA/0501/S<br>USA/0502/S   | 1<br>1<br>1           | 2000.09.27<br>2000.11.06<br>2000.09.27<br>2000.09.27                             |  | AMERSHAM MODEL X.444 IPL MODEL HEG-1 AMERSHAM MODEL X.1065 AMERSHAM X.44 AEA TECH. X540 CAPSULE SERIES  |                                     | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                     |
| USA/0502/3<br>USA/0508/S<br>USA/0513/S<br>USA/0515/S<br>USA/0516/S   | 1<br>1<br>1<br>1      | 2000.11.06<br>2000.04.24<br>2001.05.03   | 2005.11.01<br>2004.02.28<br>2006.04.01   | IPL MODEL A3906  AEA TECHN QSA MODEL X.560  IPL MODELS A3201, A3202, A3210  IPL A3224-01, A3224-02, A3224-03  | ALL                                 | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                     |
| USA/0517/S<br>USA/0518/S<br>USA/0531/S<br>USA/0539/S   | 1<br>1<br>0<br>0      | 2001.05.17<br>1997.08.27<br>1998.06.26   | 2006.06.30<br>2002.08.31<br>2003.06.30   | IPL A3224-04.A3224-14. A3901-1 & IPL Model A3908 Model DSK 2384 AmBe MJ-1L and AmBe MJ-1S   |                                     | X X X X<br>X X X X<br>X X X X                        | 6/85AA<br>6/85AA<br>6/85AA                     |
| USA/0543/S<br>USA/0544/S<br>USA/0559/S<br>USA/0566/S<br>USA/0570/S   | 0<br>1<br>0<br>0      | 2002.02.08<br>1999.10.21<br>1999.12.13   | 2007.02.07<br>2004.10.31<br>2004.12.31   | SPERRY SUN SOURCE No. 009100<br>CIS-US MODEL 789<br>JL SHEPHERD & ASSOC. 6810G<br>SP&E Model Nos. G & T<br>CSN0010-192 BRACHYTHERAPY SOURCE   | ΔΙΙ                                 | X X X X X X X X X X X X X X X X X X X                | TS-R-1<br>6/85AA<br>6/85aa                     |
| USA/0571/S<br>USA/0571/S<br>USA/0575/H(U)-96<br>USA/0592/H(M)-96<br>USA/0597/S                               | 0<br>1<br>0           | 2000.02.01<br>2001.08.31<br>2001.08.31   | 2005.02.02<br>2006.02.02<br>2006.09.01   | VARIAN MODEL VS-2000 2000 MED PACKAGE MODEL 48X and 48Y CYLINDERS AEA TECH-QSA MODEL X.2050   | ALL<br>ALL                          | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85AA<br>TS-R-1<br>TS-R-1                     |
| USA/0603/S<br>USA/0606/S<br>USA/4909/AF<br>USA/4909/X  | 0<br>0<br>15          | 2001.12.03<br>2002.06.11<br>2000.06.12   | 2006.12.01<br>2007.06.30<br>2003.07.01   | AMERSHAM MODEL X.2163<br>AEA TECHN. MODEL VZ-64/1<br>DOT 21PF-1A & 21PF-1B<br>DOT Spec. 20PF-1,-2,-3  |                                     |  | TS-R-1<br>TS-R-1<br>6/73AA                     |

| CERTIFICATE<br>NUMBER  | REV  | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS           | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
|--|--|--|--|--|--|---------------------------------------|--|
| USA/4986/AF USA/5467/AF-85 USA/5979/B() USA/6078/AF USA/6581/AF-85 USA/6613/B(U) USA/6717/B(U) USA/9019/AF USA/9032/B(U)-85 USA/9032/B(U)-85 USA/9036/B(U)-85 USA/9037/AF-85 USA/9037/AF-85 USA/9037/AF-85 USA/9037/B(U) USA/9056/B(U)-85 USA/916/B(U)-85 USA/9150/B(U)-85 USA/9157/B(U)-85 USA/9166/B(U)-85 USA/9166/B(U)-85 USA/9166/B(U)-85 USA/9185/B(U) USA/9166/B(U)-85 USA/9185/B(U) USA/9185/B(U) USA/9185/B(U) USA/9217/AF USA/9228/B(U)F-85 USA/9234/B(U)F-85 USA/9234/B(U)F-85 USA/9234/B(U)-85 USA/9238/B(U)-85 USA/9238/B(U)-85 USA/9248/AF USA/9238/B(U)-85 USA/9248/AF USA/9250/B(U)-85 USA/9250/B(U)-85 USA/9248/AF USA/9250/B(U)-85 USA/9248/AF USA/9250/B(U)-85 USA/9248/AF-85 USA/9288/AF-85 USA/9288/AF-85 USA/9288/AF-85 USA/9289/AF-85 USA/9299/B(U)-85 USA/9289/B(U)-85 USA/9289/B(U)-85 USA/9289/B(U)-85 USA/9289/B(U)-85 USA/9288/AF-85 USA/9289/AF-85 USA/9299/B(U)-85 USA/9289/B(U)-85 USA/9289/B(U)-85 USA/928/AF-85 USA/9289/B(U)-85 USA/928/AF-85 USA/9289/B(U)-85 USA/928/AF-85 | 28 1 7 2 2 25 8 13 26 15 6 12 11 11 16 5 5 5 3 3 5 5 5 22 26 11 11 13 17 4 0 0 5 5 3 3 1 0 0 0 0 1 2 2 1 3 3 0 0 0 2 2 0 2 | 2000.03.23<br>2000.09.27<br>2002.03.28<br>2000.08.09<br>1998.06.24<br>1999.03.01<br>1998.11.24<br>2001.09.25<br>1999.11.12<br>2001.01.31<br>2001.07.19<br>2001.07.26<br>2000.04.28<br>1998.07.13<br>2002.02.08<br>2001.08.31<br>2000.01.06<br>1999.01.19<br>2000.04.06<br>1999.01.19<br>2000.04.28<br>2001.08.31<br>2000.01.06<br>1999.01.19<br>2001.01.21<br>2001.01.21<br>2001.02.03<br>2002.02.08<br>2001.09.18<br>2001.09.18<br>2002.03.20<br>2002.03.20<br>2002.03.20<br>2002.03.28<br>2000.05.01<br>1998.06.24<br>2000.10.25<br>2001.01.10<br>2000.11.06<br>2000.11.06<br>2000.11.06 | 2005.10.31<br>2004.05.31<br>2003.06.30<br>2003.11.30<br>2006.02.28<br>2004.10.31<br>2005.05.31<br>2005.05.31<br>2005.05.31<br>2005.04.30<br>2003.06.30<br>2003.06.30<br>2003.06.30<br>2003.12.31<br>2004.09.30<br>2003.12.31<br>2005.05.31<br>2005.06.30<br>2003.12.31<br>2005.06.30<br>2003.12.31<br>2006.02.28<br>2005.10.31<br>2005.06.30<br>2005.10.31<br>2007.03.31<br>2007.03.31<br>2007.03.31<br>2007.03.31<br>2007.03.31<br>2005.06.30<br>2005.11.30<br>2005.11.30<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31<br>2005.06.30<br>2005.05.31 | AMERSHAM MODEL 702 AMERSHAM MODEL 6717-B General Electric Model BU-7 MODEL NO. 741-OP Amersham Model 650 TRIGA-I MODEL NO 680-OP MODEL SPEC C-1 TRIGA-2 AMERSHAM MODEL 715 Model SPEC 2-T Model SPEC 2-T Model 771 SHIPPING CONTAINER AMERSHAM MODEL 770 Model PAT-2 MODEL NO. IR-100 AEA Technology Model 855 AEA Technology Model 864 MODEL NO. OP-100 AEA Technology Model 865 MODEL UX-30 CNS 10-160B NPI-20WC-6 MkII Model ANF-250 NAC-LWT GE MODEL 2000 NCI-21PF-1 WESTINGHOUSE MCC-3, MCC-4, MCC-5 FRAMATOME ANP SP-1, -2 and -3 BWX Tech Model NNFD 5X22 MDS NORDION MODEL F-294\ Model No. SPEC-150 AEA TECHNOLOGY/QSA MODEL 650L CE-B1 SPEC-300 AEA TECHNOLOGY/QSA MODEL 650L CE-B1 SPEC-300 AEA TECHNOLOGY/QSA MODEL 650L CE-B1 SPEC-300 AEA TECHNOLOGY/QSA MODEL NPC AEA TECHN. 880 SERIES PACKAGES MDS NORDION F-423 PKG/OVERPACK | ALL  ALL  ALL  ALL  ALL  ALL  ALL  ALL | X X X X X X X X X X X X X X X X X X X | 6/73AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| ZA/CNS/1003/B(U)-85<br>ZA/CNS/1005/B(U)-85<br>ZA/NNR/003/S-96<br>ZA/NNR/1006/B(U)-96<br>ZA/NNR/1008/B(U)-85<br>ZA/NNR/1009/B(U)-85<br>ZA/NNR1004/B(U)-96   | 3<br>1<br>0<br>0<br>0  | 2002.05.13<br>2000.06.12<br>2002.05.08<br>2000.04.22<br>2000.12.21<br>2000.12.16   | 2004.07.07<br>2002.11.13<br>2004.01.06<br>2007.07.01<br>2004.07.07<br>2004.12.21<br>2004.12.16<br>2007.05.13   | ZA/CSN/1005/B(U)-85  |  | X X X X<br>X X X X                    | 6/85AA<br>6/85AA<br>TS-R-1<br>TS-R-1<br>6/85AA<br>6/85AA   |

## TABLE 2 EXPIRED CERTIFICATES

#### TABLE 2 - LISTING FOR EXPIRED CERTIFICATES

| CERTIFICATE<br>NUMBER  | REV   | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D        | SAFETY<br>SERIES<br>NUMBER                           |
|--|---|--|--|---|---|--|--|
| AUS/04/B(U)-85<br>AUS/12/S-85<br>AUS/19/S-85<br>AUS/20/B(U)F-85<br>AUS/22/S-85<br>AUS/23/S-85<br>AUS/23/S-85<br>AUS/28/S<br>B/016/S-85 | 4<br>3<br>3<br>2<br>3<br>3<br>1<br>1<br>004 | 1991.01.01<br>1992.05.21<br>1992.06.24<br>1996.04.22<br>1992.06.24<br>1992.06.24<br>1991.02.08<br>1994.01.28<br>1999.06.14 | 2002.06.30<br>2001.04.21<br>2002.06.30   | AAEC TYPE 02 AAEC TYPE 13 LHRL - 120 AAEC TYPE 12 AAEC TYPE 17 ANSTO 18   | ALL<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL      | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| B/017/S-85<br>B/018/S-85<br>B/019/S-85<br>B/30/B(U)<br>B/30/B(U)F  | 004<br>4<br>004<br>19<br>18                 | 1999.06.14<br>1999.06.14<br>1999.06.14<br>2001.07.09<br>2001.06.29   | 2002.07.17<br>2002.07.18<br>2002.07.19<br>2002.06.30<br>2002.06.30               | G5<br>G 10<br>G11<br>TNB 0145<br>TNB 0145   | all   | X X X X<br>X X X X<br>X X X X<br>X X X X             | 6/85<br>6/85AA<br>6/85<br>6/73AA                     |
| B/58/B(U)F-85<br>B/59/B(U)-85<br>B/65/B(U)F-85<br>B/67/B(U)F-85<br>CDN/1003/B(U)<br>CDN/1005/B(U)                                      | 1<br>0<br>0                                 | 1999.02.18<br>1999.06.16<br>1999.09.22<br>2000.02.15<br>1998.05.11<br>1998.12.14   | 2002.06.30   | TN 24 D NE4C TN24XLH TN24DH NORDION F327/F146 SOURCE CHANGER SINCO RAY DU-100B,BS,BSL & BSE   | all<br>ALL<br>ALL                           | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA                           |
| CDN/1035/B(U)<br>CDN/1036/B(U)<br>CDN/2037/B(U)<br>CDN/2042/B(U)<br>CDN/2051/B(U)  | 6<br>4<br>10<br>16<br>5                     | 2000.03.22<br>1998.05.29<br>1999.12.10<br>1999.06.25<br>2000.03.01   | 2002.03.31<br>2002.05.31<br>2001.10.31<br>2001.06.30<br>2001.08.31               | PNEUMAT-A-RAY 100-3 CAMERA<br>GAMMAMAT TK-100/NAIS OVERPACK<br>NORDION F-327/F-247<br>MDS NORDION F-245<br>NORDION F-271 TRANSPORT PACKAGE  | 1 TO 146<br>500104<br>ALL<br>ALL<br>1 TO 10 | X X X X<br>X X X X<br>X X X X<br>X X X X             | 6/73AA<br>6/73AA                                     |
| CDN/2055/B(U) -85<br>CDN/2059/B(U)<br>CDN/2061/B(U) -85<br>CDN/4213/AF<br>CDN/4214/AF<br>CDN/5183/XT                                   | 4<br>4<br>4<br>8<br>2<br>4                  | 1999.07.23<br>1997.04.18<br>1998.06.24<br>1999.12.31   | 2002.03.31<br>2002.05.31<br>2001.05.31<br>2002.07.31<br>2001.11.30               | MDS NORDION F-339 TRANSPORT PKG.<br>NUPAC OH-142 MKII<br>CRL IRRADIATED MATERIAL PACKAGE<br>CRNL MODEL 4HL, SERIAL NO. 001<br>AECL MAPLE-4 SHIPPING PACKAGE<br>VARIOUS                | ALL<br>001<br>ALL                           | X X X X X X X X X X X X X X X X X X X                | 6/73AA<br>6/85AA<br>6/73AA<br>6/73AA                 |
| CDN/5222/X<br>CDN/5224/X<br>CDN/5226/X<br>CH/241/X<br>CH/242/X<br>CZ/010/B(U)-85   | 1<br>0<br>1<br>4<br>1                       | 2002.01.30<br>2001.10.22<br>1999.12.24<br>2001.10.19<br>2001.08.14<br>1999.08.19   | 2001.05.31   | MDS NORDION GAMMACELL 20 MDS NORDION GAMMABEAM 150-C ONTARIO POWER GENERATION NOD-F1 TYP R-52  OS-GK 17. SKODA-UJP  | MOUSATRON<br>4<br>F1                        | X<br>X X X X<br>X<br>X<br>X X X X                    | 6/85AA<br>6/85AA<br>6/85AA                           |
| CZ/025/IF-85<br>CZ/033/B(U)-85<br>D/0009/S-85<br>D/0045/S-85<br>D/0060/S-85  | 0<br>0<br>3<br>1<br>1                       | 1998.08.27<br>2001.01.16<br>2001.02.07<br>1996.02.15<br>1996.07.10   | 2001.12.31<br>2001.12.31<br>2001.12.31<br>2001.02.15<br>2001.07.10               | OSK<br>SKODA TKSV 1000<br>MELDEREINSATZ FES 5B<br>GAMMA-STRAHLER VZ-803<br>Am-241 SOURCE Aml.PO8, Aml.PO81  | all   | X X<br>X X X<br>X X X X                              | 6/85<br>6/85<br>6/85<br>6/85<br>6/85                 |
| D/0066/S-85<br>D/0068/S-85<br>D/0069/S-85<br>D/0071/S-85<br>D/2009/B(U)-85<br>D/2067/B(U)-85   | 1<br>1<br>0<br>1<br>7<br>3                  | 1997.02.19<br>1996.06.25<br>1996.06.19<br>1998.09.07<br>1999.04.22<br>1999.04.22   | 2001.06.25<br>2001.06.19<br>2002.03.31<br>2002.04.30                             | Cs-137 SOURCE Cs7.K01, Cs7.P13  Am-Be NEUTRON SOURCE Am1.N03 Co-60 SOURCE Co0.P02  Am1.K17-n, Am1.B17-m, Am1.B27-n  Transport- und WechselbehälterI  Transport- u. Wechselbehälter II |   | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/85<br>6/85                         |
| D/2083/B(U)-85<br>D/2091/B(U)-85<br>D/4052/IF-85<br>D/4129/AF-85<br>D/4174/B(M)F-85  | 1<br>0<br>7<br>3<br>7                       | 1998.08.12<br>1998.04.21<br>1999.02.02<br>1998.02.18<br>2002.03.19<br>1999.04.06   | 2001.08.15<br>2001.04.30<br>2002.02.28<br>2001.02.28<br>2002.07.31               | Mosaik II-15 -> see comments<br>MOSAIK II-15/10F<br>Behälter f r RHF-BE (RHF-TB)<br>BE-Transportbeh. Typ II,III<br>Verpackung f r unbestr. MOX-DWR                                    | vorcion A                                   | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| D/4225/B(U)F-85<br>D/4270/B(U)F-85<br>D/4293/B(U)F-85<br>D/4305/AF-85<br>D/4306/AF-85<br>D/4327/AF-85                                  | 0<br>5<br>5<br>2<br>11<br>3                 | 1998.01.29<br>2001.03.21<br>1998.08.14<br>2001.10.24<br>2001.04.03   | 2001.06.30<br>2001.08.31<br>2002.06.30<br>2001.06.30                             | TN 900/1-21 TN 7-2 MTR-BE TransportbehälterMTR-D Typ BU-D RA-3D Shipping Container Transportbehälter"ABB ATOM"  | version A                                   | X X X X<br>X X X X<br>X X X X<br>X X X X             | 6/85<br>6/85<br>6/85<br>6/85<br>6/85                 |
| D/4331/B(U)F-85<br>D/4332/B(U)F-85<br>D/4335/AF-85<br>D/4336/IF-85<br>D/4350/IF-96<br>E/077/B(U)F-85                                   | 0<br>0<br>0<br>0<br>0                       | 1999.04.06<br>1999.04.06<br>1998.08.17<br>1999.12.02<br>2002.01.14<br>1997.10.23   | 2002.04.06<br>2002.04.06<br>2001.08.31<br>2001.06.30<br>2002.06.30<br>2002.06.30 | TN 900/1-21 TN 900/1-21 BE-Transportbeh. Typ II.III BE TransportbehälterTyp KWO BE-TransportbehälterABB-Atom ENSA-DPT   | version B<br>version C                      | X X X X<br>X X X X<br>X X X X                        | 6/85<br>6/85<br>6/85<br>6/85<br>ST-1<br>6/85AA       |
| F/007/B(U)F  | Ιj  | 2001.09.25   | 2002.07.31   | IU 04   |   | X X X  | 6/73AA   |

| CERTIFICATE<br>NUMBER  | REV   | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS    | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
|--|---|--|--|---|---------------------------------|---------------------------------------|--|
| F/061/B(U)-85  F/061/S F/136/B(U)F F/215/B(U)-85 F/220/B(U) F/284/1F F/302/B(U) F/311/B(U)-85 F/313/B(U)F-85 F/355/B(U)F-85 F/362/B(U)F-85 F/362/B(U)F-85 F/363/B(U)F-85 F/363/B(U)F-85 F/367/B(U)F-85 F/367/B(U)F-85 F/367/B(U)F-85 F/367/B(U)F-85 F/367/B(U)F-85 F/367/B(U)F-85 F/367/B(U)F-85 F/367/X F/675/X F/675/X F/677/X F/678/X GB/104/S-85 GB/110/S-85 GB/110/S-85 GB/117/S-85 GB/113/S-85 GB/1143/S-85 GB/143/S-85 GB/143/S-85  | Kh Li Jg Gd Dd Ic Ca Fd Dd Fl Fm Ef Aa Ab Bb Aa X X X X X X X X X X X X X X X X X X | 2002.01.29<br>2000.06.30<br>1995.05.03<br>2000.07.03<br>1994.03.24<br>1988.03.07<br>2001.01.26<br>2000.07.03<br>2001.05.11<br>2001.08.14<br>2001.01.26<br>2000.02.03<br>2000.07.10<br>2000.07.10<br>2001.05.14<br>2001.07.02<br>2001.08.09<br>2001.08.10<br>2001.12.17<br>2001.12.13<br>2001.12.21<br>1999.06.14<br>1998.03.25<br>1998.04.30<br>1998.04.30<br>1998.04.30<br>1998.03.25<br>1998.04.31<br>1998.08.11<br>1998.10.15<br>1998.10.15 | 2002.07.31<br>2001.07.31<br>2001.03.31<br>2001.04.20<br>2001.07.01<br>2002.07.31<br>2001.12.31<br>2001.12.31<br>2002.07.01<br>2002.07.01<br>2002.07.01<br>2002.07.01<br>2002.07.01<br>2002.07.01<br>2002.07.01<br>2002.07.01<br>2002.07.31<br>2001.12.31<br>2001.12.31<br>2001.12.31<br>2001.08.31<br>2002.03.31<br>2002.03.31<br>2002.05.31<br>2002.06.30<br>2002.06.30<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2001.03.31 | CC 32 et SV 27 CC 32 et SV 27 CC 32 NTL 9 SV 63 D 80161 FS 58 CC 30 SV 65 TN-BGC 1 TN-BGC 1 TN-BGC 1 CC30 TN 24-XLH TN 24-G RD 15 II B TN 24-DH R52 CASTOR S1 NCI-21PF-1 NCI-21PF-1 GAMMACELL 220 CASTOR S1 RA-3D R62 NCI-21PF-1 SFC X441 SFC X94 SFC X1146 SFC X220 SFC X19 SFC X95 SFC XN30/0/1/2 SFC X35/2   | 487 to 619<br>200 to 298<br>117 | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/73AA<br>6/85AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| GB/146/S-85 GB/149/S-85 GB/159/S-85 GB/1642K/AF-85 GB/17/S-85 GB/17/S-85 GB/182/S-85 GB/193/S-85 GB/193/S-85 GB/193/S-85 GB/193/S-85 GB/1936K/B(U) | 8<br>10   | 1999.05.26<br>1999.04.14<br>1998.08.11<br>1998.06.18<br>1998.10.15<br>1998.10.15<br>1998.11.16<br>1999.11.01<br>1999.11.01<br>1999.11.01<br>1999.11.01<br>1998.11.05<br>1998.07.17<br>1998.05.21<br>1998.07.17<br>1998.07.17<br>1998.07.17   | 2001.03.31<br>2001.03.31<br>2002.05.31<br>2001.06.30<br>2002.06.30<br>2001.03.31<br>2001.06.30<br>2001.10.31<br>2001.10.31<br>2001.12.31<br>2001.12.31<br>2002.07.31<br>2002.07.31<br>2002.07.31<br>2002.07.31<br>2002.07.31<br>2002.07.31<br>2001.10.31<br>2001.05.31<br>2001.05.31<br>2001.07.31   | SFC X117 SFC X33 SFC XN128 SFC XN47 SFC SFC X540 INSULATED STEEL CANISTER SFC X56 SFC X224 & X2034 SFC X1094 (STAINLESS STEEL) SFC XN177 (STAINLESS STEEL) SFC XN177 (STAINLESS STEEL) SFC X451 SFC X2152 (formerly XN290/XN291) SFC X2151 |                                 | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA                               |

| CERTIFICATE NUMBER  ADATE  DATE  DAT | 2002.00.01   |     |            |            |                                  |              |             |        |
|--|--------------|-----|------------|------------|----------------------------------|--------------|-------------|--------|
| SECTION   SECT   |              | REV |            |            |                                  |              |             |        |
| GB/242/S-95 3 1998.11.04 2001.11.30 SFC XM294/XM295  | NUMBER       |     | DATE       | DATE       |                                  |              |             |        |
| CRIP-7247/S-85   |              |     |            |            |                                  | No. BENO     |             |        |
| H/013/B(U)-85  |              |     |            |            |                                  |              | L D         |        |
| H/013/B(U)-85  | GB/242/S-85  | 3   | 1998.11.04 | 2001.11.30 | SEC_XN294/XN295                  |              | XXXX        | 6/85AA |
| H/013/B(U)-85  |              |     |            |            | SFC X2066                        |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SFC XN264                        |              | X  X  X  X  |        |
| H/013/B(U)-85  |              |     |            |            | SEC X2110 (XN319/XN320)          |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | 31 C 72043                       |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SFC X1032                        |              | X  X  X  X  | 6/85AA |
| H/013/B(U)-85  |              |     |            |            | MARK VI ISOTOPE CONTAINER        |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SEC X2017<br>SEC X2050 & X2050/1 |              | X X X X     |        |
| H/013/B(U)-85  |              |     |            |            | 0.0 %2000 4 %2000/1              |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SFC XN225/XN226                  |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | GRAPHITE SAMPLE FLASK            |              | X           |        |
| H/013/B(U)-85  |              |     |            |            |                                  |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SFC X20                          |              | X  X  X  X  |        |
| H/013/B(U)-85  |              |     |            |            | SFC X1084                        |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SPECIAL FORM                     |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | NTL TRANSPORT FLASK              |              | ХХХ         |        |
| H/013/B(U)-85  |              |     |            |            | MILD STEEL TRANSPORT BOX         |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | MODIII AR FLASK                  |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | NUPACK 200                       |              | X X X       |        |
| H/013/B(U)-85  |              |     |            |            |                                  |              | X  X  X  X  |        |
| H/013/B(U)-85  |              |     |            |            | HEX CYLINDERS 30B AND 40Y        |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SENTINEL MODEL 460               |              | XXXX        |        |
| H/013/B(U)-85  |              | 3   | 1998.08.11 | 2001.04.30 | SFC X92 & X92/2                  |              | X  X  X  X  |        |
| H/013/B(U)-85  |              |     |            |            | SFC X93                          |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SFC X1290                        |              | XXXX        |        |
| H/013/B(U)-85  | GB/409/S-85  | 3   | 1999.09.23 | 2002.06.30 | SFC XN 28                        |              | X X X X     | 6/85AA |
| H/013/B(U)-85  |              |     |            |            | SFC X97 & X97/1                  |              | XXXX        |        |
| H/013/B(U)-85  |              |     |            |            | SEC X21                          |              | X X X X     |        |
| H/013/B(U)-85  |              | 3   | 1998.06.29 | 2001.06.30 | SFC XN43                         |              | X X X X     |        |
| H/013/B(U)-85  |              |     |            |            | SFC XN44                         |              | XXXX        |        |
| H/022/B(U)-85  |              | 3   | 1998.03.25 |            | 31 6 X444                        |              | // // // // |        |
| H/024/B(U)-85  |              |     |            |            |                                  |              |             |        |
| H/025/B(U)-85  |              | -   |            |            |                                  |              |             |        |
| H/061/B(U)-85  |              |     |            |            |                                  |              |             |        |
| J/124/B(M)-85         1         1998.04.06         2001.04.05         MS-1         S1B124         X         X         6/85           J/132/IF-85         1         1998.02.24         2001.02.23         UOX/C         *1         X         6/85           J/146/B(U)F-85         2         1998.01.22         2001.01.21         TOSS         S1B146         X         X         6/85           J/147/B(U)F-85         2         1998.01.22         2001.01.21         TOSS         S1B147         X         X         6/85           J/154/B(M)F-85         0         1999.02.26         2002.02.25         RU-1         X         6/85           J/20/AF-85         2         1999.06.07         2002.06.06         RAJ TYPE         X         X         X         6/85           J/57/AF-85         1         1991.12.21         2002.07.27         NT-VII         S1A57 `S6A57         X         X         6/85           J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         X         X         6/85           J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         ALL         X         X         X         X         X         6/85   |              |     |            |            |                                  |              |             |        |
| J/132/IF-85         1         1998.02.24         2001.02.23         UOX/C         *1         X         6/85           J/146/B(U)F-85         2         1998.01.22         2001.01.21         TOSS         S1B146         X         X         6/85           J/147/B(U)F-85         2         1998.01.22         2001.01.21         TOSS         S1B147         X         X         6/85           J/154/B(M)F-85         0         1999.02.26         2002.02.25         RU-1         X         6/85           J/20/AF-85         2         1999.06.07         2002.06.06         RAJ TYPE         X         X         X         6/85           J/57/AF-85         1         1991.12.21         2002.07.27         NT-VII         S1A57 `S6A57         X         X         6/85           J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         X         X         X         6/85           PL/0004/S-85         1         2001.05.28         2002.05.27         BU-J         ALL         X         X         X         K         6/85AA           PL/0007/S-96         0         2002.02.07         2002.06.30         IR1HA         ALL         X         X         X         X <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |              |     |            |            |                                  |              |             |        |
| J/146/B(U)F-85         2         1998.01.22         2001.01.21         TOSS         S1B146         X         X         6/85           J/147/B(U)F-85         2         1998.01.22         2001.01.21         TOSS         S1B147         X         X         6/85           J/154/B(M)F-85         0         1999.02.26         2002.02.25         RU-1         X         6/85           J/20/AF-85         2         1999.06.07         2002.06.06         RAJ TYPE         X         X         6/85           J/57/AF-85         1         1991.12.21         2002.07.27         NT-VII         S1A57 `S6A57         X         X         6/85           PL/0004/S-85         1         2001.05.28         2002.05.27         BU-J         ALL         X         X         6/85           PL/0004/S-85         1         2001.06.19         2001.12.31         ALL         X         X         6/85AA           PL/0007/S-96         0         2002.02.07         2002.06.30         IRIHA         ALL         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X         X  |              |     |            |            |                                  |              |             |        |
| J/154/B(M)F-85         0         1999.02.26         2002.02.25         RU-1         X         6/85           J/20/AF-85         2         1999.06.07         2002.06.06         RAJ TYPE         X X X X 6/85           J/57/AF-85         1         1991.12.21         2002.07.27         NT-VII         S1A57 'S6A57         X X X 6/85           J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         X X X X 6/85           PL/0004/S-85         1         2000.06.19         2001.12.31         ALL         X X X X 6/85AA           PL/0007/S-96         0         1999.12.22         2001.12.31         ALL         X X X X 56/85AA           PL/0008/S-96         0         2002.02.07         2002.06.30         IR1HA         ALL         X X X X TS-R-1           PL/0010/S-96         0         2002.02.07         2002.06.30         IR1HB         ALL         X X X X TS-R-1           PL/0011/S-96         0         2002.02.07         2002.06.30         CO1HB         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         CO1YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.07         2002.06.30         CO1HB   |              |     |            |            |                                  |              |             |        |
| J/20/AF-85         2         1999.06.07         2002.06.06         RAJ TYPE         X X X 6/85           J/57/AF-85         1         1991.12.21         2002.07.27         NT-VII         S1A57 `S6A57         X X X 6/85           J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         X X X X 6/85           PL/0004/S-85         1         2000.06.19         2001.12.31         ALL         X X X X 6/85AA           PL/0007/S-96         0         1999.12.22         2001.12.31         X X X X 56/85AA           PL/0008/S-96         0         2002.02.07         2002.06.30         IRHA         ALL         X X X X TS-R-1           PL/0010/S-96         0         2002.02.07         2002.06.30         IRHB         ALL         X X X X TS-R-1           PL/0011/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0012/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.07         2002.06.30         C01YA         ALL  |              |     |            |            |                                  | S1B147       |             |        |
| J/57/AF-85         1         1991.12.21         2002.07.27         NT-VII         S1A57 `S6A57         X         X         6/85           J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         X         X         6/85           PL/0004/S-85         1         2000.06.19         2001.12.31         ALL         X         X         X         6/85AA           PL/0007/S-96         0         2002.02.07         2002.06.30         IR1HA         ALL         X         X         X         X         TS-R-1           PL/0008/S-96         0         2002.02.07         2002.06.30         IR1HB         ALL         X         X         X         TS-R-1           PL/0010/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X         X         X         TS-R-1           PL/0011/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X         X         X         TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X         X         X         TS-R-1           PL/0014/S-96         0         2002.02.07         2002.06.30  |              |     |            |            |                                  |              |             |        |
| J/74/AF-85         1         2001.05.28         2002.05.27         BU-J         X         X         6/85           PL/0004/S-85         1         2000.06.19         2001.12.31         ALL         X<   |              |     |            |            |                                  | S1A57 `S6A57 |             |        |
| PL/0005/S-85         0         1999.12.22         2001.12.31         X X X X 6/85AA           PL/0007/S-96         0         2002.02.07         2002.06.30         IR1HA         ALL         X X X X TS-R-1           PL/0008/S-96         0         2002.02.07         2002.06.30         IR1HB         ALL         X X X X TS-R-1           PL/0010/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0011/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0012/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.20         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/00015/S-96         0         2002.02.20   | J/74/AF-85   |     | 2001.05.28 | 2002.05.27 | BU-J                             |              | Х Х         |        |
| PL/0007/S-96         0         2002.02.07         2002.06.30         IR1HA         ALL         X X X X TS-R-1           PL/0008/S-96         0         2002.02.07         2002.06.30         IR1HB         ALL         X X X X TS-R-1           PL/0009/S-96         0         2002.02.07         2002.06.30         IR1YA         ALL         X X X X TS-R-1           PL/0010/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0012/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.20         2002.06.30         C01LA,-B,-C,-D,-E,-F,-G         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         C01HK         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         C01HK         ALL         X X X X TS-R-1           PL/10  |              |     |            |            |                                  | ALL          |             |        |
| PL/0008/S-96         0         2002.02.07         2002.06.30         IR1HB         ALL         X X X X TS-R-1           PL/0009/S-96         0         2002.02.07         2002.06.30         IR1YA         ALL         X X X X TS-R-1           PL/0010/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0011/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0012/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.20         2002.06.30         C01LA,-B,-C,-D,-E,-F,-G         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         C01HK         ALL         X X X X TS-R-1           PL/1002/B(U)         4         2000.01.31         2001.12.31         TP-1/t         1 and 2         X X X X K 6/73AA   |              |     |            |            | TR1HA                            | Al I         |             |        |
| PL/0010/S-96         0         2002.02.07         2002.06.30         CO1HB         ALL         X X X X TS-R-1           PL/0011/S-96         0         2002.02.07         2002.06.30         C01HB         ALL         X X X X TS-R-1           PL/0012/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         C01YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.20         2002.06.30         C01LABCDEFG         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         C01HK         ALL         X X X X X TS-R-1           PL/1002/B(U)         4         2000.01.31         2001.12.31         TP-1/t         1 and 2         X X X X X 6/73AA   | PL/0008/S-96 | 0   | 2002.02.07 | 2002.06.30 | IR1HB                            | ALL          | X  X  X  X  | TS-R-1 |
| PL/0011/S-96         0         2002.02.07         2002.06.30         CO1HB         ALL         X X X X TS-R-1           PL/0012/S-96         0         2002.02.07         2002.06.30         CO1YA         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         CO1YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.20         2002.06.30         CO1LABCDEFG         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         CO1HK         ALL         X X X X X TS-R-1           PL/1002/B(U)         4         2000.01.31         2001.12.31         TP-1/t         1 and 2         X X X X X 6/73AA   |              |     |            |            |                                  |              |             |        |
| PL/0012/S-96         0         2002.02.07         2002.06.30         CO1YA         ALL         X X X X TS-R-1           PL/0013/S-96         0         2002.02.07         2002.06.30         CO1YA         ALL         X X X X TS-R-1           PL/0014/S-96         0         2002.02.20         2002.06.30         CO1LABCDEFG         ALL         X X X X TS-R-1           PL/0015/S-96         0         2002.02.20         2002.06.30         CO1HK         ALL         X X X X TS-R-1           PL/1002/B(U)         4         2000.01.31         2001.12.31         TP-1/t         1 and 2         X X X X X 6/73AA   |              |     |            |            |                                  |              |             |        |
| PL/0013/S-96       0       2002.02.07       2002.06.30       CO1YA       ALL       X X X X TS-R-1         PL/0014/S-96       0       2002.02.20       2002.06.30       CO1LAB,-C,-D,-E,-F,-G       ALL       X X X X TS-R-1         PL/0015/S-96       0       2002.02.20       2002.06.30       CO1HK       ALL       X X X X TS-R-1         PL/1002/B(U)       4       2000.01.31       2001.12.31       TP-1/t       1 and 2       X X X X X 6/73AA   |              |     |            |            |                                  |              |             |        |
| PL/0015/S-96 0 2002.02.20 2002.06.30 CO1HK ALL X X X X X TS-R-1 PL/1002/B(U) 4 2000.01.31 2001.12.31 TP-1/t 1 and 2 X X X X X 6/73AA   |              |     |            |            |                                  |              |             |        |
| PL/1002/B(U) 4 2000.01.31 2001.12.31 TP-1/t 1 and 2 X X X X 6/73AA   |              |     |            |            |                                  |              |             |        |
|  |              |     |            |            |                                  |              |             |        |
|  |              | 16  |            |            |                                  |              |             |        |

| CERTIFICATE<br>NUMBER   | REV                        | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                          | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D        |  |
|---|----------------------------|--|--|---|---|--|--|
| RA/0051/AF-85<br>RA/0063/X-85<br>RU/004N/S<br>RU/005N/S<br>RU/016N/S<br>RU/016N/T<br>RU/020N/B(U)-85<br>RU/023N/B(U)-85<br>RU/023N/A-85<br>RU/024N/B(U)-85<br>RU/026N/B(U)-85<br>RU/027N/B(U)-85<br>RU/028N/B(U)-85<br>RU/028N/B(U)-85<br>RU/028N/B(U)-85<br>RU/029N/A-85<br>RU/029N/B(U)-85<br>RU/029N/B(U)-85 | 7<br>2<br>2<br>1           | 1996.11.10<br>1997.03.05<br>1997.06.25<br>1997.04.21<br>1996.01.10<br>1997.06.16<br>1996.01.20<br>1996.03.20<br>1996.03.20<br>1996.03.20<br>1996.03.20<br>1996.03.20 | 2002.05.15<br>2001.08.05<br>2002.03.05<br>2002.06.25<br>2001.01.20<br>2001.01.10<br>2002.01.10<br>2001.01.20<br>2001.01.20<br>2001.03.20<br>2001.03.20<br>2002.06.02<br>2001.03.20 | OVER GESTION DE RESIDUOS RADIACT NK252M1 & NK248M11 NK252M2 on base of Cf-252 GK60M11. GK60M12 KM-47 TYPE B e14.175.015 & e14.175.015-01 UKT1B-(2,3,4) UKT1A-60 (TYPE A) UKT1B-80 UKT1B-KZ-3 UKT1B-10000 UKT1B-250-12 TUK-34 (TYPE A) UKT1B-120-5 TUK-35 (TYPE A) | 1,2,3,4,5<br>01<br>ALL<br>ALL<br>ALL<br>001-005.007.8 | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| RU/030N/B(U) -85<br>RU/031N/B(U) -85<br>RU/037N/S<br>RU/038N/S<br>RU/039N/S<br>RU/040N/B(U) -85   | 0<br>0<br>0<br>0<br>0<br>1 | 1996.04.15<br>1996.05.30<br>1996.01.10<br>1996.01.22<br>1996.10.10   | 2001.04.15<br>2001.05.30<br>2001.01.10<br>2001.01.22   | UKT1B-0,5/0050<br>UKT1B-26-12<br>TRANSPORT CAPSULE WITH Co-60<br>TRANSPORT CAPSULE KTM-01<br>CAPSULE F45.65.1484.000  | 055-008<br>ALL<br>ALL<br>03. 04                       | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA   |
| RU/040N/S<br>RU/041N/B(U)-85<br>RU/042/B(M)F-85T A1<br>RU/042N/B(U)-85<br>RU/043N/B(U)-85<br>RU/043N/T  | 0<br>0<br>3<br>0<br>0      | 1996.04.12<br>1997.03.05<br>2000.04.27<br>1997.03.31<br>1997.04.04   | 2001.01.12<br>2002.03.05<br>2001.12.31<br>2002.03.31   | GK60C02<br>GAMMARID-192<br>TUK-6<br>UKT1B-48A<br>UKT1B-180-1  | ALL<br>ALL<br>03.06. 6M more                          | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85<br>6/85AA<br>6/85AA   |
| RU/044N/B(U) -85<br>RU/044N/S<br>RU/045N/B(U) -85<br>RU/045N/S<br>RU/046N/S<br>RU/046N/B(U) -85   |                            | 1996.11.18<br>1997.05.21<br>1997.02.21<br>1998.06.01<br>1997.05.21   | 2001.11.18<br>2002.05.21<br>2001.12.31<br>2001.06.30<br>2002.05.21   | TUK 13V<br>UKT1B-60-10 (TYPE B)   | 2391,2420,2454<br>1,2,4<br>ALL<br>ALL<br>1            | X X X X<br>X X X X<br>X X X X<br>X X X X             | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA   |
| RU/046N/S<br>RU/047N/S<br>RU/048N/S<br>RU/050N/S<br>RU/050N/S<br>RU/051N/S<br>RU/054N/S   | 0<br>0<br>0<br>0<br>0      | 1997.02.21<br>1997.04.21<br>1997.04.21<br>1997.07.17<br>1997.07.22   | 2002.04.21<br>2002.07.17   | GS75M1<br>I-7<br>GK60R01, GK60R0  | ALL<br>ALL<br>2,5                                     | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA   |
| RU/054N/S<br>RU/055N/T<br>RU/059N/S<br>RU/069N/XT<br>RU/073N/T<br>RU/074N/T<br>RU/075N/T  | 1<br>0<br>0<br>1<br>0<br>0 | 1997.05.12<br>1999.04.01<br>2001.06.01<br>1998.04.01   | 2002.05.12<br>2001.04.01<br>2002.06.01<br>2001.04.01<br>2001.04.01   | UKTIB-(UKTPV-24)<br>CAPSULE X.117 (TYPE A)  | 5.7.9<br>All  | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA<br>ST-1<br>6/85AA<br>6/85AA   |
| RU/083N/T<br>RU/083N/T<br>RU/086N/T<br>RU/088/B(U)F-85<br>RU/088/B(U)F-85T<br>RU/095/B(U)FT<br>RU/111/B(U)F-85T A1  | 1<br>0<br>-<br>0           | 1998.09.10<br>2000.01.01<br>1999.06.17<br>1999.06.17<br>2000.06.22   |  | TK-48 (Type B)  | ALL<br>ALL<br>All<br>ALL                              | X X X X X X X X X X X X X X X X X X X                | 6/85AA   |
| RU/113/B(U)F-85T A1<br>RU/165/B(U)F-85T<br>RU/170/B(U)FT<br>RU/203/B(U)F-85T<br>RU/2086/B(U)-96T<br>RU/224/B(U)F-85T  | 2<br>-<br>-<br>2<br>0<br>4 | 2000.06.22<br>1998.06.30<br>2000.12.15   | 2001.06.30<br>2001.12.31<br>2001.12.31<br>2001.11.30<br>2001.12.31<br>2002.06.30   | TK-S16<br>TK-S5/1<br>TK-S33/1<br>TUK-30<br>UKT-D11<br>TUK-39  | ALL<br>ALL<br>ALL<br>ALL                              | X X X X X X X X X X X X X X X X X X X                | 6/85<br>6/85<br>6/73<br>6/85   |
| RU/231/BFT<br>RU/2327/A-85T<br>RU/2329/B(M)F-85T<br>RU/2331/B(U)F-85T<br>RU/237/B(M)F-85T<br>RU/245/A-85T<br>RU/252/A-85T   | 1<br>-<br>-<br>2<br>2<br>2 | 1998.09.24<br>2000.08.10<br>2000.11.03<br>2001.01.04<br>1998.07.14<br>2000.07.18<br>1999.02.09   | 2001.06.30<br>2001.08.31<br>2001.08.31<br>2001.06.30<br>2001.05.13<br>2001.08.31   | TUK-42 TUK "E015/96" TN BU-D TUK-39M BU-J TUK "COGEMA" 1S SAMPLER   | ALL ALL ALL ALL ALL ALL ALL ALL                       | X<br>X X<br>X X<br>X X                               | 6/73<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85   |

#### TABLE 2 - LISTING FOR EXPIRED CERTIFICATES

| CERTIFICATE<br>NUMBER   | REV  | ISSUE<br>DATE  | EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER   |
|---|--|--|--|---|------------------------------|---|--|
| RU/261/X<br>RU/262/X<br>RU/3003/IF-85T<br>RU/3004/IF-85T<br>RU/3005/I-96T<br>RU/3006/B(U)F-96<br>RU/3006/B(U)F-96T<br>RU/302/I-85T  | 1 1 2  | 1995.02.16<br>2001.02.13   | 2002.06.30<br>2002.06.30<br>2001.12.31<br>2001.12.31<br>2002.07.16<br>2002.07.16<br>2002.07.31   | TTE-0,8 TTE-1,0 TUK Typ III-E TUK TYP III-E BARREL EN209-213 TK-S55 TK-S55  | All<br>All<br>ALL<br>ALL     |   | 6/73<br>6/73<br>6/85<br>6/85<br>TS-R-1<br>TS-R-1<br>TS-R-1<br>6/85   |
| RU/310/A(M)-85<br>RU/312/I-85T<br>RU/315/I-96T  | 1  | 1998.09.09<br>2001.06.19   | 2002.06.30   | BU-J<br>TUK KSHMK-5<br>TUK-118  | ALL<br>ALL<br>All            | X<br>X  | 6/85AA<br>6/85<br>TS-R-1   |
| S/0023/B(M)F<br>S/0030/B(U)F<br>S/1113/X<br>S/1113/X<br>S/1114/X<br>S/1115/X<br>S/19/AF-85<br>S/40/B(U)F-85<br>USA/0073/S<br>USA/0077/S<br>USA/0152/S<br>USA/0152/S<br>USA/0159/S<br>USA/0161/S<br>USA/0205/S<br>USA/0205/S<br>USA/0236/S<br>USA/0237/S<br>USA/0242/S<br>USA/0242/S<br>USA/0413/S<br>USA/0453/S | 7 7 7 0 0 1 1 8 7 7 5 4 4 4 1 1 3 3 2 1 2 4 2 1 1                          | 2001.02.13<br>2001.04.02<br>2001.03.23<br>2001.06.18<br>2000.09.22<br>2000.01.27<br>1997.09.23<br>1997.06.16<br>1996.09.18<br>1996.06.12<br>1996.04.04<br>1996.04.15<br>1996.04.15<br>1996.04.10<br>1996.04.25<br>1996.04.25<br>1996.04.25 | 2002.06.30<br>2001.09.30<br>2001.06.01<br>2001.06.30<br>2001.03.31<br>2001.03.31<br>2001.03.31<br>2002.05.10<br>2001.04.30<br>2001.03.31 | 3M Model 4F6S NEN/DU PONT NER-570 AND NER-580 E.I. DuPont/NEN Model NER-478C New England Nucl. Model NER-550 MONSANTO 24170-B(Z) AND BS(Z) ORNL Capsule Ir-192 SR-CF-3000 & OR-CF-3000 MONSANTO 24181 MONSANTO 24173 Monsanto Research Model 24154-C AMERSHAM MODELS 92802 AND 93302 JLS&A Model 6810/143-512 BNL | ALL                          | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>TS-R-1<br>6/73AA<br>6/85AA     |
| USA/0514/S USA/0523/S USA/0526/S USA/0530/S USA/0574/X USA/5021/X USA/5796/B(U) USA/6280/X USA/6294/AF-85 USA/6400/B( )F USA/9010/B( )F USA/9069/B( )F USA/9203/AF USA/9245/B(U) USA/9274/AF ZA/002/S ZA/004/S  | 0<br>0<br>0<br>0<br>5<br>12<br>0<br>10<br>1<br>16<br>1<br>6<br>5<br>3<br>2 | 1996.12.26<br>1997.03.03<br>1997.04.28<br>2000.06.23<br>2000.12.28<br>1997.09.08<br>2000.11.06<br>1999.07.02<br>1996.07.15<br>1998.12.21<br>1999.12.20<br>1997.09.22<br>2000.11.06<br>1997.05.30<br>1997.08.01                             | 2002.04.30<br>2001.06.06<br>2001.06.30<br>2002.07.31<br>2001.06.30<br>2001.03.31<br>2002.07.31<br>2001.04.30                             | AN-HP JL SHEPHERD 7810-484-1 JL SHEPHERD 7810-0109-R JLS&A 8810-AmBe-154 NUFCOR Model 48Y UF6 CYLINDERS DOT Spec. 1A2 STEEL DRUM 181735 and 181361 MODEL A-0109 IN A-0117 OVERPACK MODEL NO. UN-2901 Model 6400 SUPER TIGER NUCLEAR ASSURANCE CORP. NLI-1/2 Model MO-1 MODEL DHTF MODEL 420 ABB-2901              | 606, 382369<br>ALL<br>ALL    | X X X X<br>X X X X<br>X X X X<br>X X X X      | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/67<br>6/67<br>6/67<br>6/73AA<br>6/85AA<br>6/73AA<br>6/85AA |

## TABLE 3 CURRENT CERTIFICATES BY VALIDATION NUMBER

| DEVALIDATION                         | DEV CERTIFICATE                             | DEV EVDIDY                    | DACKACE IDENTIFICATION  | DACKACE                      | MODEC CAFETY                     |
|--------------------------------------|---|-------------------------------|---|------------------------------|----------------------------------|
| REVALIDATION<br>OF                   | REV CERTIFICATE<br>NUMBER                   | REV EXPIRY<br>DATE            | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL            | MODES SAFETY<br>R R A S SERIES   |
|                                      |   |                               |   | NUMBERS                      | A O I E NUMBER<br>I A R A        |
|                                      |   |                               |   |                              | L D                              |
| B/44/B(U)F-85                        | 9 F/290/B(U)F-85                            | Gh 2002.08.31                 | ES 1/7  |                              | X X X 6/85AA                     |
| B/72/B(U)-85                         | 0 CDN/E203/-85                              | 0 2004.04.30                  | MDS NORDION S.A. NE24-42 PACKAGE                                    |                              | X X X X 6/85AA                   |
| CDN/1002/B(U)                        | 18 NL/0138/B(U)                             | 4 2004.02.29                  |   | ALL                          | X X X X 6/85AA                   |
| CDN/1041/B(U)-85                     | 18 USA/6214/B(U)<br>0 B/8.3CDN.1041.01059   |                               | NORDION F-112 AND F-113<br>F-327/F-448                              | SEE CERT!!<br>all            | X X X X 6/73AA<br>X X X X 6/85AA |
| ODN (0000 (D(II)) T                  | 0 USA/0589/B(U)-85                          |                               | MDS NORDION F-327/F-448   | CEE CEDT                     | X X X X 6/85AA                   |
| CDN/2003/B(U)T<br>CDN/2005/B(U)      | 13 USA/6217/B(U)<br>13 USA/6050/B(U)        |                               | MDS NORDION F-143 AND F-158<br>NORDION F-144: F-144-AC              | SEE CERT.<br>1,5,9; 3        | X X X X 6/73AA<br>X X X X 6/73AA |
| CDN/2008/B(U)                        | 12 USA/6162/B(U)                            |                               | NORDION F-127 J-ROD   | 50,52,54                     | X X X X 6/73AA                   |
| CDN/2009/B(U)                        | 10 RA/3553/B(U)<br>10 USA/6355/B(U)         |                               | MODEL F-147 THERATRONICS INTL.<br>THERATRONICS F-147                | ONLY No. 53<br>SEE CERT!     | X X X 6/73aa<br>X X X X 6/73AA   |
| CDN/2012/B(U)                        | 20 USA/6306/B(U)                            | 14 2004.03.31                 | NORDION F-168 SHIPPING FLASK  | SEE CERT.                    | X X X X 6/73AA                   |
| CDN/2013/B(U)                        | 11 B/8.3CDN.2013.99.50<br>11 E/069/B(U)     |                               | GAMMACELL 220<br>NORDION GAMMACELL 220                              | ALL<br>ALL                   | X X X X 6/73AA<br>X X X X 6/73AA |
|                                      | 11 USA/6125/B(U)                            | 12 2003.10.31                 | NORDION GAMMACELL 220   | 1 TO 256                     | X X X X 6/73AA                   |
| CDN/2039/B(U)<br>CDN/2043/B(U)-85    | 17 USA/0061/B(U)<br>18 B/8.3CDN.2043.97.41  |                               | THERATRON 78, T780, MORE<br>F-327with F-318 or F-251 inserts        |                              | X X X X 6/73AA<br>X X X X 6/85AA |
|                                      | 18 USA/0126/B(U)-85                         | 14 2002.11.30                 | NORDION F327/F251, F327/F318  | SEE CERT!                    | X X X X 6/85AA                   |
| CDN/2045/B(U)<br>CDN/2046/B(U)-85    | 15 USA/0214/B(U)<br>3 USA/0468/B(U)-85      |                               | NORDION F-168-X SHIPPING FLASK<br>NORDION F-168-X (1985)            | 22X-26X, 41X<br>77-X TO 82-X | X X X X 6/73AA<br>X X X X 6/85AA |
| CDN/2047/B(U)                        | 10 USA/0348/B(U)                            |                               | NORDION F-231   | 7-9,11-24                    | X X X X 6/73AA                   |
| CDN/2051/B(U)<br>CDN/2062/B(U)-85    | 5 USA/0444/B(U)<br>3 CZ/1101201/B(U)-85     | 7 2002.11.30<br>0 2004.02.29  | MDS NORDION MODEL F-271<br>Theratronics F147(85)                    | 1 TO 10<br>all               | X X X X 6/73AA<br>X X X X 6/85   |
| CDIN/ 2002/ B(U) -03                 | 3 USA/0459/B(U)-85                          | 4 2004.02.29                  | THERATRONICS F147(85)   | 61 AND HIGHER                | X X X X 6/85AA                   |
| CDN/2063/B(U)-85                     | 5 B/8.3CDN.2063.00.10<br>5 USA/0461/B(U)-85 | 5 2004.04.30                  | F-168<br>NORDION F-168  | 53-76, > 83<br>53-76, 83 UP  | X X X X 6/85AA<br>X X X X 6/85AA |
| CDN/2064/B(U)-85                     | 3 B/8.3CDN.2064.00.10                       | 3 2004.04.30                  | F-168-X   | >77-X <82-X                  | X X X X 6/85AA                   |
| CDN/2065/B(U)-85                     | 3 B/8.3CDN.2065.00.02                       |                               | GAMMACELL 1000 AND 3000   | >42                          | X X X X 6/85AA                   |
|                                      | 3 CZ/07098/B(U)-85<br>3 D/3095/B(U)-85      | 1 2003.03.31<br>3 2003.03.31  | GAMMACELL 1000, GAMMCELL 3000<br>Gammacell 1000, Gamacell 3000      | all<br>42 and up             | X X 6/85<br>RID/ADR              |
|                                      | 4 NL/0105/B(U)-85                           |                               | NORDION GC 1000-85 AND 3000-85                                      | ALL                          | X X X X 6/85AA                   |
| CDN/2067/B(U)-85                     | 4 USA/0469/B(U)-85<br>3 USA/0587/B(U)-85    |                               | NORDION GC 1000 AND 3000<br>NORDION GAMMACELL 40 MK3                | 42 and up<br>11 AND UP       | X X X X 6/85AA<br>X X X X 6/85AA |
| CDN/2068/B(U)                        | 2 USA/0475/B(U)                             | 2 2002.10.31                  | NORDION GC 1000&3000 WITH 20WC5                                     | 1 to 41                      | X X X X 6/73AA                   |
| CDN/2069/B(U)-85<br>CDN/2072/B(U)-85 | 3 USA/0477/B(U)-85<br>3 USA/0509/B(U)-85    |                               | NORDION GC 1000&3000 WITH 20WC5<br>NORDION F-127, F-127X & RAI/F127 | 42 AND UP<br>59 AND UP       | X X X X 6/85AA<br>X X X X 6/85AA |
| CDN/2074/B(U)-85                     | 1 D/3120/B(U)-85                            | 1 2003.11.30                  | various, see cert   | see cert                     | RID/ADR                          |
| CDN/2077/B(U)-85                     | 1 USA/0554/B(U)-85<br>0 USA/0578/B(U)-85    | 3 2003.11.30<br>0 2004 11 30  | THERATRONICS RADIOTHERAPY HEADS<br>F-231 (1985), F-231 MK2          | SEE CERT<br>11 and higher    | X X X X 6/85AA<br>X X X X 6/85AA |
| CDN/E155/-85                         | 0 J/847/B(U)-85                             | 0 2002.11.19                  | TPL-92Y-450K  | II and migner                | X X X X 6/85                     |
| CZ/012/B(U)-85<br>CZ/013/B(U)-85     | - RU/084N/T<br>- RU/085N/T                  | 1 2003.10.04<br>1 2003.10.04  | UK 12S Type B<br>UK 50S Type B                                      |                              | X X X X 6/85AA<br>X X X X 6/85AA |
| D/083/S-85                           | - RU/2069/S                                 | 0 2005.09.19                  | TRANSPORT CAPSULE GSTK-2  |                              | 6/85                             |
| D/2001/B(U)-85<br>D/2011/B(U)-85     | 11 NL/0192/B(U)-85<br>9 CZ/918400/B(U)-85   | 0 2003.10.31<br>1 2004.03.20  | TransportbehälterS 1747<br>GAMMAMAT TI                              | up to 01065<br>all           | X X X X 6/85<br>X X X X 6/85     |
| D/2012/B(U)-85                       | 9 CZ/15799/B(U)-85                          | 1 2004.03.20                  | GAMMAMAT TI-F   | all                          | X X X X 6/85                     |
| D/2021/B(U)-85<br>D/2031/B(U)-85     | 6 RU/2035/B(U)-85<br>7 CDN/E054/-85         |                               | GAMMAMAT M18 GAMMAMAT M10 EXPOSURE DEVICE                           | ALL                          | X X X X 6/85<br>X X X X 6/85AA   |
| D/2078/B(U)-85                       | 4 CDN/E186/-85                              | 1 2003.12.31                  | GAMMAMAT TSI 3 AND TSI 3/1  | /ILL                         | X X X X 6/85AA                   |
| D/2079/B(U)-85<br>D/2086/B(U)-85     | 2 CDN/E187/-85<br>1 USA/0532/B(U)-85        |                               | GAMMAMAT TSI 5 AND TSI 5/1<br>GANUK Model GA-01                     |                              | X X X X 6/85AA<br>X X X X 6/85AA |
| D/4160/B(U)F-85                      | 7 USA/0371/B(U)F-85                         | 10 2004.04.30                 | TN 7-2 TRANSPORT PACKAGE  |                              | X X X X 6/85AA                   |
| D/4224/B(U)F-85<br>D/4280/AF-85      | 5 USA/0381/B(U)F-85<br>4 CH/5062/AF-85      | 5 2002.08.31<br>0 2003.12.31  | Transport Container GNS 11  |                              | X X X X 6/85AA<br>X X X X 6/85   |
| D/ 4200/ AI -03                      | 4 RA/3552/AF-85                             | 0 2003.12.31                  |   | ALL                          | X X X X 6/85AA                   |
| D/4305/AF-96                         | 4 S/SKI/5.41-010226<br>4 USA/0412/AF-96     | 4 2003.12.31<br>10 2005.02.28 |   | ALL                          | X X X X 6/85AA<br>X X X TS-R-1   |
| D/4316/B(U)F-85                      | 2 CDN/E180/-85                              |                               | NEUTRON SOURCE CONTAINER SYSTEM                                     | ALL                          | X X X 6/85AA                     |
| D/4318/B(U)F-85                      | 3 CH/5053/B(U)F-85                          |                               | CASTOR HAW 20/28 CG<br>CASTOR HAW 20/28 CG                          | 01 to 15                     | X X X X 6/85AA<br>X X X 6/85AA   |
| D/4326/B(U)F-85                      | 3 F/629/B(U)F-85<br>3 USA/0551/B(U)F-85     |                               | GNS-16 SPENT FUEL CASK  |                              | X X X 6/85AA<br>X X X X 6/85AA   |
| D/4329/B(U)F-85                      | 2 CH/5045/B(U)F-85                          |                               | CASTOR HAW 20/28 CG   | 16 and up                    | X X X TS-R-1<br>X X X X TS-R-1   |
| D/4330/IF-85                         | 3 CH/5048/IF-85<br>3 E/098/IF-85            |                               | BE TRANSPORTBEH. TYP III-Edelsta<br>BE-TB Typ III-Edelstahl         |                              | X X X X 15-R-1<br>X X X 6/85AA   |
| D/4337/IF-85                         | 0 CH/5057/IF-85                             | 0 2002.12.31                  | ANF TYP V   |                              | X X X X 6/85AA                   |
| D/4340/IF-85                         | 0 NL/0189/IF-85<br>1 FIN/STUK/C621/45       | 0 2002.12.31                  | BE-TransportbehälterTyp V<br>ANF-10                                 | ALL                          | X X X 6/85<br>X X X X 6/85AA     |
| D/4342/B(U)F-85                      | 0 A/0002/B(U)F-85                           | 0 2003.04.06                  | TN 7-2  |                              | X X X 6/85                       |
|                                      | 0 CH/5052/B(U)F-85<br>0 USA/0573/B(U)F-85   | 0 2003.04.06<br>0 2003.04.06  | TN 7-2<br>TN 7-2 IRRAD. FUEL ASSY. CASK                             |                              | X X X 6/85AA<br>X X X 6/85AA     |
| F/020/S-1                            | - RU/2090/S                                 | 0 2006.03.31                  | MODEL COG   |                              | ST-1                             |
| F/137/B(U)<br>F/201/B(U)F            | Jf B/8.3F.137.99.297<br>Hc D/5309/B(U)F     | Jf 2004.06.30<br>4 2002.09.30 | GAM80 or GAM120<br>TN 6/2   |                              | X X X X 6/73AA<br>X X X 6/73AA   |
| F/270/B(U)F-85                       | Io NL/0178/B(U)F-85                         | 1 2005.10.31                  |   |                              | X X 6/85AA                       |

| REVALIDATION<br>OF   | REV CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS               | MODES<br>RRAS<br>AOIE<br>IARA<br>LD                          |                                      |
|--|---|--|--|--|--|--------------------------------------|
| F/270/B(U)F-85FA   | 0 J/1022/B(M)F-85<br>0 J/1023/B(M)F-85<br>0 J/1027/B(M)F-85   | 0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01   | TN-17<br>TN-17   | ALL<br>ALL<br>ALL                          | X<br>X<br>X  | 6/85<br>6/85                         |
| F/270/B(U)F-85GK<br>F/271/B(U)F-85<br>F/271/B(U)F-85 EA        | O J/1028/B(M)F-85<br>O J/1035/B(M)F-85<br>Hi D/5343/B(U)F-85<br>O J/1011/B(M)F-85<br>O J/1013/B(M)F-85<br>O J/1014/B(M)F-85 | 0 2030.01.01<br>0 2030.01.01<br>6 2002.08.15<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01 | TN-17<br>TN-17(M)<br>TN 12/2<br>TN-12A<br>TN-12A<br>TN-12A   | ALL<br>MS190-193B(M)F<br>ALL<br>ALL<br>ALL |  |                                      |
| F/272/B(U)F-85   | 0 J/1024/B(M)F-85<br>0 J/1031/B(M)F-85<br>Gg D/5334/B(U)F-85  | 0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>6 2003.12.31                                 | TN-12B<br>TN-12B<br>TN 10/1 (TN 13/1)  | ALL<br>ALL                                 | Χ  |                                      |
| F/274/B(U)F-85<br>F/275/B(U)F DA<br>F/323/B(U)F-85             | Ip D/5324/B(U)F-85<br>0 J/1020/B(M)F-85<br>1 J/130/B(M)F-85   | 17 2004.06.30<br>0 2030.01.01<br>3 2003.12.10  | TN 13/2<br>TN-12<br>TN28VT   | ALL<br>S1B130,S2B130                       | Х Х  |                                      |
| F/334/B(U)F-85<br>F/346/B(U)F-85<br>F/347/IF-85<br>F/348/IF-85 | Cc NL/0152/B(U)F-85<br>Bd CH/5046/B(U)F-85<br>Aa D/5392/IF-85<br>Aa D/5393/IF-85  | 1 2005.09.01<br>1 2003.12.31<br>0 2005.01.31<br>0 2005.01.31                                 | MARIANNE<br>FS 69<br>FCC-3<br>FCC-4  |  | X X<br>X X X<br>X X X  |                                      |
| F/352/B(U)F-85<br>F/356/B(U)F-96<br>F/357/B(U)F-85             | Aa D/5386/B(U)F-85<br>Ab CH/5065/B(U)F-96<br>Ah USA/0565/B(U)F-85   | 0 2003.12.31<br>0 2005.06.30<br>0 2002.08.31   | FS65-1300<br>FS 65<br>TN-MTR   |  | X X X X X X X  | 6/85<br>TS-R-1<br>6/85AA             |
| F/358/B(U)F-85<br>F/358/B(U)F-85 AB                            | Ab CDN/E185/-85<br>Ab D/5384/B(U)F-85<br>Ab USA/0577/B(U)F-85<br>0 S/SKI/5.41-000780  | 10 2003.12.31<br>0 2003.12.31<br>0 2003.12.31<br>0 2003.12.31                                | TRANSNUCLEAIRE COG-OP-30B<br>COG-OP-30B overpack<br>COG-OP-30B   |  | X X X X X X X X X X X X X X X X X X X                        | 6/85                                 |
| F/359/B(U)-85<br>F/365/B(U)F-85<br>F/371/B(U)F-85              | Aa NL/0173/B(U)-85<br>Bd CH/5050/B(U)F-85<br>Aa CH/5051/B(U)F-85  | 0 2005.02.01<br>1 2006.09.30<br>0 2003.05.31   | TN 52 L<br>TN 97 L   | ALL  | X X X X X X X X X X X X X X X X X X X                        | 6/85AA<br>6/85AA                     |
| F/373/IF-85  | Ab CDN/E200/-85<br>Ab CH/5061/IF-85<br>Ab D/5388/IF-85<br>Ab NL/0187/IF-85  | 0 2002.09.30<br>0 2004.12.31<br>1 2004.12.31<br>0 2004.12.31                                 | CERCA-01 CASK<br>CERCA-01<br>CERCA 01  |  | X X X X  | 6/85AA<br>TS-R-1<br>6/85<br>6/85AA   |
| F/377/B(U)F-85<br>GB/0666AW/B(U)<br>GB/0666AY/B(U)             | Aa CH/5064/B(U)F-85<br>13 USA/0302/B(U)<br>8 CH/8016/B(U)   | 0 2006.12.31<br>8 2003.12.31<br>3 2004.01.31   | TN 24 BH<br>U.K. Design No. 0666AW<br>STEEL DRUM 0666  |  | $\begin{array}{cccccccccccccccccccccccccccccccccccc$         | 6/85AA<br>6/73AA<br>6/85AA           |
| GB/0666S/B(U)  | 8 USA/0269/B(U)<br>9 CDN/E090/<br>7 USA/0169/B(U)<br>8 D/3080/B(U)  | 10 2004.01.31<br>8 2004.01.31<br>8 2003.07.31<br>1 2003.07.31                                | U.K. Design No. 0666AY<br>AMERSHAM INT'L PLC 0666AY<br>UK Design No. 0666S<br>Design No. 0666S               | ALL<br>ALL                                 | X X X X X X X X X X X X X X X X X X X                        | 6/73AA<br>6/73AA                     |
| GB/0666T/B(U)<br>GB/0666W/B(U)                                 | 8 E/099/B(U)<br>7 USA/0304/B(U)<br>7 CH/8009/B(U)<br>7 USA/0307/B(U)<br>8 D/3079/B(U)                                       | 0 2003.07.31<br>7 2003.07.31<br>3 2003.07.31<br>7 2003.07.31<br>3 2003.07.31                 | Steel drum<br>U.K. Design No. 0666T<br>GB/0666W/B(U) STEEL DRUM<br>U.K. Design No. 0666W<br>Design No. 0666W |  | X X X X<br>X X X X<br>X X X X<br>X X X X                     | 6/73AA<br>6/73AA<br>6/85AA<br>6/73AA |
| GB/0924BP/B(U)<br>GB/0924BP/B(U)-85                            | 8 E/062/B(U)<br>8 FIN/STUK/7/756/00<br>11 USA/0250/B(U)<br>11 NL/0188/B(U)-85   | 2 2003.07.31<br>0 2003.07.31<br>10 2003.03.31<br>0 2003.03.31                                | 0666W<br>U.K. Design No. 0924BP<br>STEEL DRUM  | ALL<br>ALL                                 | X X X X X X X X X X X X X X X X X X X                        | 6/85AA<br>6/73AA                     |
| GB/0924BZ/B(U)<br>GB/0924BZ/B(U)-85<br>GB/0924W/B(U)           | 7 E/097/B(U)<br>6 USA/0316/B(U)-85<br>6 USA/0301/B(U)   | 0 2004.01.31<br>6 2004.01.31<br>6 2004.10.31   | 0924 Mk II<br>U.K. Design 0924BZ<br>UK Design No. 0924W<br>0924 Mk II  |  | X X X X<br>X X X X<br>X X X X                                | 6/73AA<br>6/85AA<br>6/73AA           |
| GB/1146AB/B(M)F  | 7 E/096/B(U)<br>1 D/5397/B(M)F<br>1 F/582/B(M)F T   | 1 2004.10.31<br>0 2004.03.31<br>a 2004.03.31   | NTL 11 Transport Flask<br>NTL (11/01,11/02)  | 1, 2                                       | $\begin{array}{cccc} X & X & & X \\ X & X & & X \end{array}$ | 6/73AA<br>6/73                       |
| GB/1146AB/B(M)F-85   | 1 D/5383/B(M)F-85<br>1 F/581/B(M)F-85 T   |  | NTL (11/03,11/04,11/05)  | 3, 4, 5                                    | X  X  X  | 6/85<br>6/85AA                       |
| GB/1146AC/B(M)F  | 1 D/5398/B(M)F<br>1 F/587/B(M)F T   |  | NTL (11/01,11/02)  | 1,2  | X  X  X  |                                      |
| GB/1146AC/B(M)F-85<br>GB/1146AD/B(M)F                          | 1 D/5395/B(M)F-85<br>1 F/583/B(M)F-85 T<br>1 CH/5055/B(M)F  | 0 2004.03.31<br>a 2004.03.31<br>0 2004.03.31   | NTL 11 Transport Flask<br>NTL (11/03,11/04,11/05)<br>NTL 11  | 3,4,5<br>01, 02                            | X X X X X X X X X X X X X X X X X X X                        | 6/85<br>6/85AA<br>TS-R-1             |
| GB/1146AD/B(M)F-85   | 1 F/588/B(M)F T<br>1 CH/5054/B(M)F-85   |  | NTL (11/01,11/02)  | 03,04,05                                   | X X X X  | 6/73<br>TS-R-1                       |
| GB/1146AE/B(M)F  | 1 F/584/B(M)F-85 T<br>1 F/589/B(M)F T   | a 2004.03.31<br>a 2004.03.31   | NTL (11/03,11/04,11/05)<br>NTL 11/01,11/02)  | 00,07,00                                   | X  X  X  |                                      |
| GB/1146AE/B(M)F-85   | 1 CH/5059/B(M)F-85<br>1 CH/5060/B(M)F<br>1 F/585/B(M)F-85 T   | 0 2004.03.31<br>0 2004.03.31<br>a 2004.03.31   | NTL 11/01,11/02) NTL 11 NTL 11 NTL (11/03,11/04,11/05)   | 04, 05<br>01, 02                           | X X X X X X X X X X X X X X X X X X X                        | TS-R-1                               |
| GB/1146AF/B(M)F<br>GB/1146AF/B(M)F-85                          | 1 F/586/B(M)F-85 T<br>1 F/586/B(M)F-85 T  | a 2004.03.31   | NTL (11/03,11/04,11/05)<br>NTL (11/01,11/02)<br>NTL (11/03,11/04,11/05)                                      |  | X  X  X  | 6/73<br>6/85AA                       |

| REVALIDATION<br>OF                              | REV CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD                  | SAFETY<br>SERIES<br>NUMBER |
|---|--|--|--|------------------------------|--|----------------------------|
| GB/1147M/B(M)F-85T                              | 10 J/1015/B(M)F-85<br>10 J/1016/B(M)F-85<br>10 J/1017/B(M)F-85<br>10 J/1032/B(M)F-85 | 0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01 | EXCELLOX-4<br>EXCELLOX-4<br>EXCELLOX-4                               | ALL<br>ALL<br>ALL            | X<br>X<br>X  | 6/85<br>6/85<br>6/85       |
| GB/1163H/B(M)F-85T                              | 11 J/1010/B(M)F-85<br>11 J/1018/B(M)F-85<br>11 J/1019/B(M)F-85<br>11 J/1029/B(M)F-85 | 0 2030.01.01<br>0 2030.01.01                                 | EXCELLOX-3B/3 EXCELLOX-3B/3 EXCELLOX-3B/3 EXCELLOX-3B/3              | ALL<br>ALL<br>ALL            | X<br>X<br>X  | 6/85                       |
| GB/1933A/B(U)<br>GB/1934A/B(U)<br>GB/1935A/B(U) | 9 USA/0226/B(U)<br>8 USA/0228/B(U)<br>7 USA/0272/B(U)                                | 8 2004.10.31<br>7 2004.10.31<br>7 2004.11.30                 | U.K. Design No. 1933A<br>U.K. Design No. 1934A<br>UK Design No 1935A | ALL.                         | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/73AA<br>6/73AA<br>6/73AA |
| GB/1935B/B(U)<br>GB/1935E/B(U)                  | 7 USA/0317/B(U)<br>7 USA/0273/B(U)   | 5 2004.11.30<br>5 2004.11.30                                 | U.K. DESIGN NO. 1935B<br>UK DESIGN NO. 1935E                         | ALL                          | X X X X X  |                            |
| GB/2799E/B(U)-85                                | 3 USA/6788/B(U)-85<br>3 USA/6788/B(U)F-85  | 3 2004.03.31<br>5 2004.03.31                                 | CROST ASOCIATES MODEL 2799E<br>CROFT ASSOCIATES MODEL 2799E          | ALL                          | X X X X X X X X X X X X X X X X X X X                |                            |
| GB/2802B/B(U)F-85                               | 3 A/9305/B(U)F-85<br>4 CZ/30399/B(U)F-85   | 4 2004.03.31   |  | 211                          | XXXX   | TS-R-1                     |
| GB/2835A/B(U)F-85                               | 1 CH/5063/B(U)F-85   | 0 2004.06.30   | CROFT 2835A  | all                          | X X X X  | TS-R-1                     |
| GB/2842A/B(U)-85                                | 6 NL/0193/B(U)-85<br>8 CZ/23098/B(U)-85  | 0 2003.06.30<br>1 2003.06.30                                 | 284A   |                              | XXXX   | 6/85AA<br>6/85             |
| GB/3100A/B(U)                                   | 6 USA/0407/B(U)  | 5 2003.12.31   | U.K. DESIGN NO. 3100A  |                              | X X X X  | 6/73AA                     |
| GB/3170A/B(M)F<br>GB/3231A/B(U)                 | 8 NL/0001/B(M)F<br>6 A/9303A/B(U)  | 8 2005.02.28<br>3 2004.10.31                                 | NTL TRANSPORT FLASK<br>GB/3231A/B(U)                                 | ALL                          | X X X X  | 6/85AA<br>TS-R-1           |
|   | 6 NL/0096/B(U)<br>7 D/3086/B(U)  | 4 2004.10.31<br>3 2004.10.31                                 | STEEL TRANSPORT CASE<br>Design No. 3231A                             |                              | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85AA<br>6/73AA           |
|   | 7 E/075/B(U)   | 2 2004.10.31   | STEEL TRANSPORT CASE   | ***                          | X $X$ $X$  | 6/73AA                     |
| GB/3231B/B(U)                                   | 006 B/8.3GB.3231A.01238<br>5 A/9303B/B(U)  | 3 2004.10.31   | GB/3231B/B(U)  | ALL<br>ALL                   | X X X X X  |                            |
|   | 6 D/3087/B(U)<br>6 E/076/B(U)  | 3 2004.10.31<br>2 2004.10.31                                 | Design No. 3231B<br>STEEL TRANSPORT CASE                             |                              |  | 6/73AA<br>6/73AA           |
|   | 006 B/8.3GB.3231B.01239  | 006 2004.10.31   |  | ALL                          | X X X X  | 6/73AA                     |
| GB/3300A/B(U)-85                                | 3 NL/0083/B(U)-85<br>3 USA/0408/B(U)-85  |  | S/S CONTAINER IN CAGE<br>U.K. Design 3300A                           |                              | X X X X X X  |                            |
| GB/3305A/B(M) T                                 | 4 CDN/E153/-85<br>10 F/730/B(M)-85T  | 3 2003.12.31<br>f 2003.12.31                                 | AMERSHAM PLC MODEL 3300A   | ALL                          | XXXX   | 6/85AA<br>6/73             |
| GB/3305A/B(M)-85                                | 10 F/730/B(M)T   | g 2003.12.31   | MAGNOX   | ***                          | Χ  | 6/73                       |
| GB/3305A/B(M)T-85<br>GB/3516/AF-85              | 7 J/1025/B(M)-85<br>3 RA/3551/AF-85  | 0 2030.01.01<br>0 2003.01.31                                 | TK/MK II<br>MODEL 3516A (BRITISH NUCL. FUEL                          | ALL<br>ALL                   | X  | 6/85<br>6/85AA             |
| GB/3516A/AF-85                                  | 2 USA/0563/AF-85<br>3 CDN/E188/-85   | 3 2003.01.31<br>1 2003.01.31                                 | BNFL MODEL 3516 U TRANSPORT PKG<br>BNFL 3516 TRANSPORT CONTAINER     | ALL                          |  | 6/85AA<br>6/85AA           |
|   | 3 E/092/AF-85  | 1 2003.01.31   | FUEL TRANSPORT CONTAINER   |                              | X $X$ $X$  | 6/85AA                     |
| GB/3525A/AF-85                                  | 3 NL/0168/AF-85<br>1 E/093/AF-85   | 1 2003.01.31<br>0 2004.03.31                                 | FUEL TRANSPORT CONTAINER<br>VVER                                     |                              | X X X X X X X X X X X X X X X X X X X                | 6/85AA<br>6/85AA           |
| GB/3605A/B(U)-85                                | 2 FIN/STUK/A621/33<br>0 USA/0590/B(U)-85   | 0 2004.03.31   | U.K. DESIGN NO. 3605A  | ALL                          | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |                            |
| GB/3605B/B(U)-85                                | 0 USA/0592/B(U)-85   | 0 2003.11.30   | U.K. DESIGN NO. 3605B  |                              | X X X X  | 6/85AA                     |
| GB/3605C/B(U)-85                                | 0 USA/0601/B(U)-85<br>2 USA/0545/B(U)-85   |  | ENCAPSULATED SOURCE CONTAINER UK DESIGN No. 3605C                    | ALL                          | X X X X X X X X X X X X X X X X X X X                |                            |
| GB/3605D/B(U)-85                                | 2 USA/0593/B(U)-85<br>1 CDN/E204/-85   | 0 2003.01.31   | U.K. DESIGN NO. 3605C<br>NYCOMED AMERSHAM PLC MODEL 3605D            |                              | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 6/85AA                     |
| GB/3605M/B(U)-85                                | 0 USA/0594/B(U)-85   | 0 2003.11.30   | U.K. DESIGN NO. 3605M  |                              | X X X X  | 6/85AA                     |
| GB/3750A/B(U)-85                                | 0 CZ/292102/B(U)-85<br>0 USA/0591/B(U)-85  | 0 2003.12.31<br>1 2002.10.01                                 | 3750A<br>REVISS MODEL 3750A  | all                          | X X X X X X X X X X X X X X X X X X X                |                            |
| CD/2000A/D/II)E 0E                              | 1 NL/181/B(U)-85   | 0 2003.12.31   |  | all                          | XXXX   | 6/85AA                     |
| GB/3908A/B(U)F-85<br>GB/5096A 07/X-85           | 1 B/8.3GB.3908A.02039<br>2 NL/0190/X-85  | 0 2006.02.28   |  | dII                          | XXXX   |                            |
| GB/5096A/X-85<br>J/001/B(U)-85/RI               | 2 NL/0184/X-85<br>1 B/8.3J.001.99.298  | 1 2006.02.28<br>001 2009.09.30                               | GB/5096/X-85 Issue 3<br>KATY   | all                          | xxxx   | 6/85AA<br>6/85AA           |
|   | 1 USA/0556/B(U)-85   | 2 2004.09.30   | KATY   | •                            | X X X X  | 6/85AA                     |
| J/079/AF-85<br>J/111/B(U)F-85                   | 1 E/057/AF-85<br>USA/0401/B(U)F-85   | 2 2004.02.21<br>5 2003.03.27                                 | Model JMS-87Y-18.5T  |                              |  | 6/85<br>6/85AA             |
| J/113/AF-85                                     | 4 USA/0442/AF-85<br>7 CDN/E163/-85   | 11 2002.08.22<br>3 2003.02.27                                | MODEL NT-IX<br>NUCLEAR FUEL INDUSTRIES NT-IX                         |                              | XXXX   | 6/85AA<br>6/85AA           |
| 1/140/45 05                                     | 7 USA/0604/AF-85   | 0 2003.07.27   | NT-IX  |                              | X X X  | 6/85AA                     |
| J/143/AF-85<br>J/150/B(U)F-85                   | 2 USA/0495/AF-85<br>- USA/0558/B(U)F-85  | 3 2002.08.31<br>1 2004.05.20                                 | RAJ-II<br>JMS-87Y-18.5T (Kyoto University)                           |                              |  | 6/85AA<br>6/85AA           |
| J/156/AF-85<br>J/156/AF-85(1)                   | - F/627/AF-85<br>2 NL/0179/AF-85   |  | RAJ-III (TYPE A)   |                              |  | 6/85AA<br>6/85AA           |
| J/162/B(U)F-96                                  | - USA/0605/B(U)F-96  | 0 2004.10.18   | JMS-87Y-18.5T (TOSHIBA CORP.)  |                              | X $X$ $X$  | TS-R-1                     |
| J/27/AF<br>J/27/AF-85                           | 2 F/639/AF-85T<br>2 USA/0406/AF-85   |  | DOT 21PF-1A, 21PF-1B<br>W-21PF-1, 21PF-1 -1A and 1B                  | AS IN CERTIFIC               | X X X X X  | 6/85AA                     |
| J/28/AF   | 3 F/638/AF-85T   | b 2003.08.17   |  |                              |  | 6/85                       |

| REVALIDATION<br>OF                                     | REV CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE                            | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D |
|--|--|---|---|------------------------------|--|
| J/28/AF-85<br>J/61/B(U)F                               | 3 CDN/E194/-85<br>3 NL/0175/AF-85<br>3 USA/0567/AF-85<br>USA/0208/B(U)F-85         | 7 2003.03.23                                  | 21PF-1<br>21PF-1 (type a), 21PF-1B (type e<br>Model No. JRC-80Y-20T                             |                              | X 6/85AA<br>X X 6/85<br>X X X X 6/85AA<br>X X X 6/85AA             |
| J/61/B(U)F-85<br>J/79/AF-85                            | CDN/E135/-85<br>1 S/SKI/5.41-010454<br>1 USA/0220/AF-85                            | 3 2003.03.23<br>1 2004.02.21<br>11 2004.02.21 | BU-J<br>BU1   | ALL                          | X 6/85AA<br>X X X 6/85AA<br>X X X X 6/85AA                         |
| J/847/B(U)-85<br>RA/0074/B(U)-85<br>RU/046/B(U)F-85T   | RI USA/0474/B(U)-85<br>2 USA/0555/B(U)-85<br>4 UA/RU/046/B(U)F-85T                 | 1 2004.03.30                                  | JAERI MODEL TPL-92Y-450K<br>CONTRAS (INVAP S.E.)<br>TUK-13V                                     | ALL<br>01, 02 and 03<br>ALL  | X X X 6/85AA<br>X X X X 6/85AA<br>X 6/85AA                         |
| RU/052/B(U)F-85T<br>RU/102/B(U)F-96T                   | 3 UA/RU/052/B(U)F-85T<br>3 UA/RU/102/B(U)F-96T                                     | 3 2002.12.31<br>3 2003.12.31                  | TUK-13/1V<br>TK-C6  | ALL<br>ALL                   | X X X 6/85AA<br>X X ST-1   |
| RU/116/B(U)F-85<br>RU/116/B(U)F-85T<br>RU/118/B(U)F-85 | 2 UA/RU/116/B(U)F-85<br>5 UA/RU/116/B(U)F-85T<br>0 FIN/STUK/A621/39                | 2 2003.12.31<br>5 2003.12.31<br>0 2002.12.31  | TK-C5   | ALL<br>ALL<br>ALL            | X X X X 6/85AA<br>X X X 6/85AA<br>X X X X ST-1/96                  |
| NO7 1107 B(071 -03                                     | 1 CZ/291/B(U)F-85<br>1 FIN/STUK/A621/28<br>2 H/036/B(U)F-85                        | 0 2002.12.31<br>0 2002.12.31<br>1 2002.12.31  | TK-S4<br>TK-C4  | all<br>ALL                   | X X X X 6/85<br>X X X X 6/85AA<br>X X X X 6/85                     |
| RU/118/B(U)F-85T                                       | 2 UA/RU/118/B(U)F-85<br>1 UA/RU/118/B(U)F-85T                                      | 2 2002.12.31<br>1 2002.12.31                  | TK-C4<br>TK-C4  | ALL<br>ALL                   | X X X X 6/85AA<br>X X X X 6/85AA                                   |
| RU/119/B(U)F-85<br>RU/119/B(U)F-85T                    | 0 UA/RU/119/B(U)F-85<br>0 UA/RU/119/B(U)F-85T                                      |   |   | ALL<br>ALL                   | X X X 6/85AA<br>X X X 6/85AA                                       |
| RU/3006/B(U)F-96<br>S/50/IF-85                         | 0 CZ/1630101/B(U)F-96<br>1 CH/5058/IF-85<br>1 D/5394/IF-85<br>1 DK/2-0053-401 (96) | 0 2004.01.31<br>0 2004.01.31                  | EMBRACE<br>Embrace  | all                          | X X X X ST-1<br>X X X X 6/85AA<br>6/85                             |
| USA/0220/AF-85   | 1 DK/2-0053-401 (96)<br>1 E/102/IF-85<br>11 J/79/AF-85                             | 0 2004.01.31<br>0 2004.01.31<br>1 2004.02.20  |   |                              | X X X X 6/85AA<br>X X X 6/85AA<br>X X X X 6/85AA                   |
| USA/0392/S<br>USA/0592/H(M)-96                         | 5 D/0080/S-85<br>0 B/74/H(M)-96  |   | SERIES 875 CAPSULE  |                              | X 6/85<br>X X X X TS-R-1   |
| 03/1/ 0032/11(11) 30                                   | 0 CDN/E201/-96<br>0 F/736/H(M)-96  |   | 48X AND 48Y CYLINDERS   |                              | X X X TS-R-1<br>X X X TS-R-1                                       |
| USA/4909/AF  | 14 J/27/AF-85<br>15 CDN/E139/<br>15 D/5338/AF                                      | 2 2003.05.10<br>7 2003.07.01<br>18 2003.07.01 | 21PF-1<br>DOT 21PF-1A & 21PF-1B OVERPACKS<br>21PF-1A, 21PF-1B                                   | S1A27-S391A27<br>SEE LIST    | X X X 6/85<br>X X 6/73AA<br>6/73AA                                 |
|  | 15 F/634/AF T<br>15 NL/0056/AF   | 16 2003.07.01                                 | DOT 21PF-1A, 21PF-1B<br>DOT 21PF-1A & 21PF-1B   |                              | X X X 6/73<br>X X X X 6/73AA                                       |
| USA/6613/B(U)  | 15 S/SKI/5.41-010601<br>6 B/8.3USA.6613.98.30<br>8 NL/0134/B(U)                    |   |   | ALL                          | X X X X 6/85AA<br>X X X X 6/73AA<br>X X X X 6/73AA                 |
| USA/9027/B(U)-85                                       | 8 S/571/1880/2001<br>15 CDN/E030/-85   | 0 2003.06.30                                  |   | AL I                         | X X X X 6/85AA<br>X X X X 6/85AA                                   |
| USA/9034/AF-85<br>USA/9035/B(U)-85                     | 12 F/631/AF-85<br>11 CDN/E033/-85  | f 2002.12.31                                  |   | ALL                          | X X X X 6/85AA<br>X X X X 6/85AA                                   |
| USA/9036/B(U)-85                                       | 011 B/8.3USA.9035.02126<br>7 CDN/E044/-85  | 011 2005.05.31                                |   | all<br>ALL                   | X X X X 6/85AA<br>X X X X 6/85AA                                   |
| USA/9037/AF-85   | 11 B/8.3USA.9036.01260<br>12 F/632/AF-85   |   | SPEC C-1  | ALL                          | X X X X 6/85aa<br>X X X X 6/85AA                                   |
| USA/9107/B(U)  | 6 CDN/E056/<br>5 CDN/E094/   | 5 2003.06.30                                  | AMERSHAM 771 SOURCE CHANGER INDUSTRIAL NUCLEAR MODEL IR-100                                     | ALL                          | X X X X 6/73AA<br>X X X X 6/85AA                                   |
| USA/9157/B(U)<br>USA/9157/B(U)-95<br>USA/9185/B(U)     | 5 CDN/E094/<br>5 CDN/E094/-85<br>4 CDN/E184/                                       | 5 2004.09.30                                  | INDUSTRIAL NUCLEAR MODEL IR-100 INDUSTRIAL NUCLEAR MODEL IR-100 INDUSTRIAL NUCLEAR MODEL OP-100 |                              | X X X X 6/85AA<br>X X X X 6/73AA                                   |
| USA/9196/AF  | 21 F/538/AF-85   | n 2006.02.28                                  |   | ALL                          | X X X X 6/85AA   |
| USA/9196/AF-85   | 21 CDN/E150/-85<br>21 D/5307/AF<br>21 S/SKI/5.41-010271                            |   | Model No. UX-30   | ALL                          | X X X X 6/85AA<br>6/85<br>X X X 6/85AA                             |
| USA/9204/B(U)-85                                       | 2 CDN/E189/-85   | 2 2005.10.31                                  | CNS 10-160B CASK; TP-01 & TP-02   | ALL                          | X X 6/85AA   |
| USA/9215/B(U)  | 5 A/9304/B(U)<br>5 D/3075/B(U)   | 4 2002.10.31                                  | NPI-20WC-6 MkII<br>Model No. NPI-20WC-6 MkII  | ALL                          | X X X X 6/85AA<br>6/85   |
| USA/9217/AF  | 10 S/SKI/5.41-000978<br>12 CDN/E140/<br>12 D/5344/AF                               | 12 2006.06.30                                 | ADVANCED NUCLEAR FUELS ANF-250<br>ANF-250   | ALL                          | X X X 6/85AA<br>X X X X 6/73AA<br>6/73AA                           |
| USA/9225/B(U)F-85                                      | 21 D/5367/B(U)F-85<br>21 E/100/B(U)F-85<br>21 RA/3550/B(U)F-85                     | 1 2003.12.31<br>0 2005.02.28<br>0 2005.02.28  |   | 1,2,4,5,6                    | 6/85<br>X X X 6/85AA<br>X X X X 6/85AA                             |
|  | 21 S/SKI/5.41-000988<br>22 NL/0185/B(U)F-85<br>25 CDN/E173/-85                     | 21 2005.02.28<br>0 2005.02.28                 |   |                              | X X X 6/85AA<br>X X X X 6/85AA<br>X X 6/85AA                       |
| USA/9234/B(U)F   | 26 A/0101/B(U)F-85<br>10 F/728/B(U)F T   | 0 2005.02.28<br>e 2003.12.31                  |   |                              | X X X X 6/85AA<br>X X X X 6/73AA                                   |
| 00A/ 7404/ B(U)F                                       | 11 CDN/E141/<br>11 D/5342/B(U)F  | 7 2003.12.31                                  | NAC-LWT<br>NCI-21PF-1<br>NCI-21PF-1 OVERPACK<br>Model No. NCI-21PF-1                            | ALL                          | X X X X 6/73AA<br>X X X X 6/73AA<br>6/73AA                         |
| USA/9239/AF  | 11 D/5342/B(U)F<br>11 NL/0109/B(U)F<br>13 E/054/AF                                 | 6 2003.12.31                                  |   |                              | X X X X 6/85AA<br>X X X 6/73AA                                     |

## PAGE 5 TABLE 3 - LISTING BY VALIDATION NUMBER FOR CURRENT CERTIFICATES 2002.08.01

| REVALIDATION<br>OF                   | REV CERTIFICATE<br>NUMBER        | REV EXPIRY<br>DATE           | PACKAGE IDENTIFICATION                                     | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER |
|--------------------------------------|----------------------------------|------------------------------|--|------------------------------|---|----------------------------|
| USA/9250/B(U)F-85                    | 3 CDN/E160/-85                   | 2 2003.01.31                 | NNFD 5X22 SHIPPING CONTAINER                               |                              | XXXX  |                            |
| USA/9258/B(U)-85<br>USA/9263/B(U)-85 | 0 CDN/E190/-85<br>5 CDN/F170/-85 | 0 2003.12.31<br>2 2005.06.30 | MDS NORDION MODEL NO. F-294<br>SPEC-150 RADIOGRAPHY CAMERA |                              | X   | 6/85AA<br>6/85AA           |
| USA/9269/B(U)-85                     | 3 CDN/E175/-85                   | 1 2005.11.30                 | AFA 650L SOURCE CHANGER                                    |                              | XXXX  | 6/85AA                     |
| USA/9282/B(U)-85                     | 0 CDN/E193/-85                   | 0 2005.04.30                 | SPEC 300 RADIOGRAPHY CAMERA                                |                              | XXXX  | 6/85AA                     |
| USA/9283/B(U)-85                     | 0 CDN/E183/-85                   | 0 2003.06.30                 | AEA TECHNOLOGY OPL-660 & OP-660                            |                              | X X X X                                       | 6/85AA                     |
|                                      | 5 B/8.3USA.9283.99.10            | 5 2003.06.30                 | AEA OPL-660 OP-660   | all                          | X X X X                                       | 6/85AA                     |
| USA/9294/AF-85                       | 3 J/158/AF-96                    | 0 2004.09.27                 | GLOBAL NUCL. FUEL MODEL NPC                                | SEE CERT!                    | X X X   | TS-R-1                     |
| USA/9296/B(U)-85                     | 0 CDN/E199/-85                   | 1 2006.03.31                 | AEA TECHNOLOGY 880 SERIES PKGS                             |                              | X X X X                                       | 6/85AA                     |
| USA/9299/B(U)-85                     | 0 CDN/E206/-85                   | 0 2006.08.31                 | MDS NORDION F-423 PACKAGE                                  |                              | X X X X                                       | 6/85AA                     |
| ZA/CNS1005/B(U)-85                   | USA/0562/B(U)-85                 | 5 2004.01.06                 | ZA/CNS1005/B(U)-85   |                              | X X X X                                       | 6/85AA                     |
| ZA/CNS1006/B(U)-85                   | 1 NL/182/B(U)-85                 | 0 2004.07.07                 |  |                              |   | 6/85AA                     |
| ZA/NNR/1008/B(U)-85                  | 0 CZ/555202/B(U)-85              | 0 2004.12.21                 | LCR A627   | all                          | X X X X                                       | 6/85                       |
| ZA/NNR/1009/B(U)-85                  | 0 CDN/E197/-85                   | 0 2004.12.16                 | ERIKA TRANSPORT PACKAGE                                    |                              | X X X X                                       | 6/85AA                     |
|                                      |                                  |                              |  |                              |   |                            |

# TABLE 4 EXPIRED CERTIFICATES BY VALIDATION NUMBER

| PAGE  | 1      |  |
|-------|--------|--|
| 2002. | .08.01 |  |

| 2002.00.01                         |   |                              |   |                              |                                       |                            |
|------------------------------------|---|------------------------------|---|------------------------------|---------------------------------------|----------------------------|
| REVALIDATION<br>OF                 | REV CERTIFICATE<br>NUMBER                   | REV EXPIRY<br>DATE           | PACKAGE IDENTIFICATION                                  | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER |
|                                    |   |                              |   |                              | LU                                    |                            |
| AUS/20/B(U)F<br>AUS/20/B(U)F-85    | 3 F/636/B(U)F-85<br>1 D/5379/B(U)F-85       |                              | Model No. LHRL-120                                      |                              |                                       | 6/85<br>6/85               |
| B/30/B(U)                          | 1 USA/0389/B(U)F-85<br>19 A/9002/B(U)       | 8 2002.06.30                 |   | ALL                          | X X X X                               |                            |
| D (00 (D (1)) E                    | 19 E/038/B(U)                               | 4 2002.06.30                 |   |                              | XXXX                                  |                            |
| B/30/B(U)F                         | 16 RU/2328/BFT<br>18 A/9002/B(U)F           | - 2001.06.30<br>9 2002.06.30 |   | ALL<br>ALL                   | X X X X                               |                            |
|                                    | 18 CDN/E105/                                |                              | TNB-0145 SHIPPING CONTAINER                             | ALL                          | XXXX                                  |                            |
|                                    | 18 D/5327/B(U)F                             | 5 2002.06.30                 |   | 7122                         |                                       | 6/73AA                     |
| B/44/B(U)F-85                      | 9 F/290/B(M)F-85 T                          | Gi 2002.03.01                | FS 47   |                              | X X X                                 | 6/85AA                     |
| B/59/B(U)-85                       | 1.1 CDN/E172/-85                            |                              | MDS NORDION NE4C SOURCE CHANGER                         |                              | XXXX                                  |                            |
| CDN/1002/B(U)                      | 15 PL/0067<br>17 B/8.3CDN.1002.99.06        |                              | F-112 and F-113   | SEE CERT!                    |                                       | 6/73AAF                    |
|                                    | 17 B/8.3CDN.1002.99.06<br>18 D/3064/B(U)    |                              | F-112, F-113 Ship. Contain.                             | ALL                          | XXXX                                  | 6/73AA                     |
| CDN/2037/B(U)                      | 10 B/8.3CDN.2037.00.03                      |                              |   | 1-10, 12-41                  | X X X X                               |                            |
|                                    | 10 B/8.3CDN.2037.01300                      | 10 2002.01.31                |   | 1-10, 12-41                  | X X X X                               |                            |
|                                    | 10 FIN/STUK/11/756/00                       | 0 2001.10.31                 |   | ALL                          | XXXX                                  |                            |
|                                    | 10 FIN/STUK/21/756/01<br>10 PL/0069/        | 0 2002.01.31                 | F-327/ F-247  | ALL<br>1-10,12-41            | XXXX                                  |                            |
|                                    | 10 USA/0125/B(U)                            |                              | NORDION INTL. F-327/F-247                               | 1-10,12-41                   | X X X X                               |                            |
| CDN/2039/B(U)                      |   |                              | ELD 76,78; 765,780,780C,780IEC                          | 1 10, 12 11                  | XXXX                                  |                            |
| CDN/2042/B(U)                      |   | 16 2002.07.31                |   | 1-5 AND 7-26                 | X X X X                               |                            |
|                                    | 16 B/8.3CDN.2042.99.29                      |                              |   | 1-5 AND 7-26                 | XXXX                                  |                            |
|                                    | 16 NL/0140/B(U)<br>16 USA/0124/B(U)         |                              | NORDION F245<br>MDS Nordion F-245                       | ALL<br>1-5, 7-26             | X X X X X X X X X X X X X X X X X X X |                            |
| CDN/2051/B(U)                      | 4 B/8.3CDN.2051.00.02                       | 4 2001.08.31                 |   | 1-10                         | XXXX                                  |                            |
|                                    | 5 B/8.3CDN.2051.01325                       | 5 2002.03.31                 |   | 1-10                         | X X X X                               |                            |
| ODN (00C1 (D(II) OF                | 5 D/3121/B(U)                               |                              | F-271 Transport Package                                 | 1 to 10                      | V V V V                               | 6/73AA                     |
| CDN/2061/B(U)-85                   | 3 B/8.3CDN.2061.98.30<br>3 USA/0553/B(U)-85 | 3 2002.05.31                 | CRL IRRADIATED MATERIAL PACKAGE                         | all                          | X X X X X X X X X X X X X X X X X X X |                            |
|                                    | 4 B/8.3CDN.2061.99.48                       | 4 2002.05.31                 |   | all                          | XXXX                                  |                            |
| CDN/4212/B(U)F                     | 7 USA/0485/B(U)F                            |                              | AECL MODEL 4H   | 1 through 8                  | X X X X                               | 6/73AA                     |
| CDN/4214/AF                        | 2 USA/0480/AF                               |                              | AECL MODEL MAPLE 4                                      | 1 TO 7                       | XXXX                                  |                            |
| CZ/005/B(U)-85<br>D/2012/B(U)      | 1 CDN/E195/-85<br>8 RU/2034/B(U)-85         |                              | SKODA-UJP MODEL UKI-4-135<br>GAMMAMAT Ti-F              |                              | X X X X X X X X X X X X X X X X X X X |                            |
| D/4174/B(M)F-85                    | 5 CH/5036/B(M)F-85                          |                              | Behälter f r MOX-BE Typ BIBLIS                          |                              | XXXX                                  |                            |
| D/4305/AF-85                       | 1 S/SKI/5.41-981101                         | 2 2001.08.31                 |   |                              |                                       | 6/85AA                     |
|                                    | 3 CDN/E192/-85                              |                              | BU-D TRANSPORT CONTAINER                                |                              | X X X                                 |                            |
| D/4306/AF-85                       | 10 CDN/E205/-85<br>10 CH/5024/AF-85         |                              | GE RA-3D SHIPPING CONTAINER RA-3D Shipping Container    |                              | X                                     | 6/85AA                     |
|                                    | 11 E/053/AF-85                              | 5 2002.06.30                 |   |                              | XXXX                                  |                            |
|                                    | 11 USA/0460/AF-85                           | 10 2002.06.30                | RA-3D Shipping Container                                |                              | XXXX                                  |                            |
| D/4315/B(U)F-85                    | 0 NL/0158/B(U)F-85                          | 0 2001.11.30                 |   |                              | X X X                                 |                            |
| D/4316/B(U)F-85<br>D/4318/B(U)F-85 | 2 USA/0552/B(U)F-85<br>2 F/629/B(U)F-85     |                              | AEA TECH. NEUTRON SOURCE CONTAIN<br>CASTOR HAW-20/28-CG | ALL                          | X X X X                               |                            |
| D/4327/AF-85                       | 3 S/SKI/5.41-010446                         | 3 2001.06.30                 | CASTON HAW-20/20-CG                                     |                              |                                       | 6/85AA                     |
| D/4329/B(U)F-85                    | 1 F/735/B(U)F-85                            | a 2002.05.31                 | CASTOR HAW 20/28 CG                                     |                              |                                       | 6/85AA                     |
| D/4340/IF-85                       | 1 S/SKI/5.41-001412                         | 1 2001.12.31                 |   |                              |                                       | 6/85AA                     |
| D/4342/B(U)F-85<br>F/136/B(U)F     | 0 F/640/B(U)F-85<br>Gd CH/5000/B(U)F-85     | a 2002.06.30<br>5 2002.03.31 |   |                              | X X X X                               | 6/85                       |
| F/201/B(U)F GB                     | 0 S/SKI/5.41-000933                         | 0 2001.07.01                 | NIE 3   |                              | XXXX                                  |                            |
| F/213/B(U)                         | Gb B/8.3F.213.99.391                        | Gb 2002.03.15                |   |                              | X X X X                               |                            |
| F/220/B(U)                         | Ic B/8.3F.220.98.173                        | Ic 2001.04.20                |   | all                          | XXXX                                  |                            |
|                                    | Ic CH/8044/B(U)<br>Ic D/3105/B(U)           | 2 2001.04.20<br>2 2001.04.20 |   |                              | XXXX                                  | 6/85AA<br>6/85             |
|                                    | Ic NL/0131/B(U)                             | 2 2001.04.20                 | D 80161   |                              | X X X X                               |                            |
| F/270/B(U)F-85                     | Hn D/5346/B(U)F-85                          | 9 2001.03.15                 | TN 17/2   |                              |                                       | 6/85                       |
| F/275/B(U)F-85                     | Gj CH/5017/B(U)F-85                         | 5 2001.06.30                 | TN 12/1   | ALL                          | XXXX                                  |                            |
| F/313/B(U)F-85                     | E1 USA/0492/B(U)F-85<br>E1 NL/0157/B(U)F-85 | 4 2001.04.01<br>2 2001.12.31 | TN BGC1 TN BGC1   |                              | X X X X X X X X X X X X X X X X X X X |                            |
|                                    | fi B/8.3F.313.01.380                        |                              | TNBGC-1   |                              | XXXX                                  |                            |
| F/327/B(U)-85                      | Ef USA/0483/(B(U)-85                        | 4 2002.07.31                 | CC 30 SHELL + IBL437C                                   |                              | X X X X                               | 6/85AA                     |
| F/358/B(U)F-85AA                   | 0 S/SKI/5.41-990143                         | 0 2002.06.30                 | COG-OP-30B  |                              | XXXX                                  |                            |
| F/362/B(U)F-85<br>F/621/X          | Ab CH/5049/B(U)F-85<br>- USA/0586/X         | 1 2002.07.01<br>1 2002.06.01 |   |                              | XXXX                                  | 6/85AA<br>6/85AA           |
| GB/0666AY/B(U)                     | 8 B/8.3GB.0666AY.98.1                       | 8 2001.01.31                 | 0 0   | ALL                          | XXXX                                  |                            |
|                                    | 9 D/3115/B(U)                               | 2 2001.09.30                 | Design No. 0666AY                                       |                              | Χ                                     | 6/73AA                     |
| GB/0924BZ/B(U)                     | 6 B/8.3GB.0924BZ.98.1                       | 6 2001.01.31                 |   | all                          | XXXX                                  |                            |
| GB/0924W/B(U)                      | 6 CZ/15699/B(U)-85<br>6 B/8.3GB.0924W.98.45 | 6 2001.01.31                 | 0924BZ Nycomed Amersham<br>0924 Mk II                   |                              | x                                     | 6/85<br>6/73AA             |
| GB/1660A/AF                        | 12 E/030/AF                                 |                              | LOW ACTIVITY URANIC CONTAINER                           |                              | XXXX                                  |                            |
| GB/171/S-85                        | - RU/080N/T                                 | - 2001.06.22                 |   |                              | XXXX                                  |                            |
| GB/1933A/B(U)                      | 9 B/8.3GB.1933A.99.04<br>9 D/3118/B(U)      |                              | INSULATED STEEL CANISTER Design No. 1933A               |                              | XXXX                                  | 6/73AA<br>6/73AA           |
|                                    | 2 PLOTIOLD(0)                               | 1 2001.10.01                 | Sesign No. 1900A  |                              |                                       | 01 / UNN                   |

| REVALIDATION<br>OF                                  | REV CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE  | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD                          |                            |
|---|---|---|---|------------------------------|--|----------------------------|
| GB/1933B/B(U)                                       | 11 USA/0227/B(U)<br>12 B/8.3GB.1933B.99.04<br>12 CZ/27599/B(U)<br>12 D/3083/B(U)<br>12 NL/0177/B(U) | 12 2001.10.31<br>0 2001.10.31<br>2 2001.10.31                   | U.K. Design No. 1933B<br>INSULATED STEEL CANISTER<br>1933B Amersham International<br>Design No. 1933B<br>INSULATED STEEL CANISTER |                              | X X X X X X X X X X X X X X X X X X X                        | 6/73AA<br>6/85AA<br>6/85   |
| GB/1934A/B(U)                                       | 8 B/8.3GB.1934A.98393<br>8 D/3085/B(U)  | 8 2001.08.31  | INSULATED STEEL CANTSTER INSULATED STEEL CANISTER Design No. 1934A  |                              | X  |                            |
| GB/1935A/B(U)<br>GB/1935B/B(U)<br>GB/1936N/B(U)     | 7 D/3116/B(U)<br>7 D/3117/B(U)<br>5 A/9701/B(U)<br>5 NL/0159/B(U)<br>6 D/3119/B(U)                  | 1 2001.12.31<br>1 2001.10.31<br>0 2001.10.31                    | Design No. 1935A<br>Design No. 1935B<br>GB/1936N/B(U)<br>INSULATED STEEL CANISTER<br>Design No. 1936N                             |                              | X  |                            |
| GB/2771A/B(U)<br>GB/2773A/B(U)-85                   | 1 RU/021N/T<br>3 USA/0337/B(U)-85<br>4 CDN/E169/-85<br>4 CZ/22299B(U)-85                            | 1 2002.04.20<br>10 2002.06.30<br>1 2002.06.30                   | INSULATED STEEL CASKET Croft Associates Model 2773A CROFT ASSOCIATES MODEL NO. 2773A 2773A Croft Associates                       |                              | X X X X<br>X X X X<br>X X X X                                | 6/85AA<br>6/85AA<br>6/85AA |
| GB/2799E/B(U)F-85<br>GB/2802B/B(U)F-85              | 2 USA/6788/B(U)F-85<br>1 RU/040N/T<br>3 NL/180/B(U)F-85   | 1 2001.03.31<br>0 2001.03.31                                    |   |                              | X X X X<br>X X X X<br>X X X X                                | 6/85AA                     |
| GB/2835A/B(U)-85<br>GB/2842A/B(U)<br>GB/3170A/B(M)F | 2 USA/0382/B(U)-85<br>1 RU/019/T<br>8 F/534/B(M)F<br>8 F/534/B(M)FT                                 |   |   |                              |  |                            |
| GB/3231A/B(U)<br>GB/3231B/B(U)                      | 5 B/8.3GB.3231A.99.04<br>4 NL/0135/B(U)<br>5 B/8.3GB.3231B.99.04                                    | 5 2001.10.31  | STEEL TRANSPORT CASE  | ALL                          | X X X X X X X X X X X X X X X X X X X                        | 6/85AA                     |
| GB/3314C/B(U)F-85                                   | 5 NL/0097/B(U)<br>1 F/613/B(U)F-85<br>2 D/5382/B(U)F-85   | 1 2001.10.31<br>e 2002.05.31                                    | STEEL TRANSPORT CASE<br>EXCELLOX 6 TRANSPORT FLASK<br>design no. 3314 (Excellox 6)  | ALL                          | X X X X X  | 6/85AA                     |
| GB/5097A 01/X-85<br>GB/5098A 01/X-85<br>J/079/AF-85 | 1 CDN/5228/X<br>1 CDN/5227/X<br>1 CDN/E145/-85  | 0 2001.07.31<br>0 2001.07.05                                    |   | 1035<br>133<br>ALL           | Х Х  | 6/85AA<br>6/85AA<br>6/85AA |
| J/111/B(U)F-85<br>J/119/B(U)F-85                    | D/5374/B(U)F-85<br>1 CDN/E146/-85<br>1 USA/0452/B(U)F-85  | 2 2001.12.31<br>6 2002.04.05                                    | JMS-87Y-18.5T<br>JRF-90Y-950K SHIPPING CONTAINER<br>JRF-90Y-950K  | ALL                          | X X X X X X X X X X X X X X X X X X X                        | 6/85<br>6/85AA             |
| J/156/AF-85<br>J/20/AF-85<br>J/37/AF-85             | - USA/0595/AF-85<br>2 NL/0136/AF-85<br>3 USA/0490/AF-85   | 0 2002.04.05<br>0 2002.03.17<br>1 2002.06.06<br>4 2001.10.08    | RAJ-III<br>RAJ  | S1A20-S779A20                | $\begin{array}{cccc} X & X & & X \\ & X & & X \end{array}$   | 6/85AA<br>6/85<br>6/85AA   |
| J/61/B(U)F-85<br>J/74/AF-85<br>J/79/AF-85           | D/5376/B(U)F-85<br>1 USA/0255/AF/-85<br>1 D/5336/AF-85  | 1 2001.10.00<br>1 2001.04.12<br>8 2002.05.29<br>4 2001.05.13    |   |                              |  | 6/85<br>6/85AA<br>6/85     |
|   | 1 RU/236/B(M)F-85T A1<br>1 S/SKI/5.41-980854  | 2 2001.05.13<br>1 2001.05.31                                    | BU-J<br>BU-J  | ALL                          | X X<br>X X X<br>X X X X                                      | 6/85<br>6/85AA             |
| J/82/B(M)-85<br>J/847/B(U)-85<br>RU/042/B(M)F-85T   | 1 USA/0569/B(M)-85<br>RI CDN/E155/-85<br>3 UA/RU/042/B(M)F-85T                                      | 0 2002.04.03<br>1 2001.11.19<br>3 2001.12.31                    | JAERI TPL-92Y-450K<br>TUK-6   | ALL                          | $\begin{array}{cccccccccccccccccccccccccccccccccccc$         | 6/85AA<br>6/85AA           |
| RU/118/B(U)F-85<br>S/1119/IF-85<br>USA/0411/AF      | 3 FIN/STUK/A621/36<br>0 FIN/STUK/C621/49<br>6 NL/0039/AF  | 0 2001.12.31<br>0 2002.06.30<br>6 2002.03.01                    |   | ALL<br>ALL                   | X X X X X X X X X X X X X X X X X X X                        | ST-1/96                    |
| USA/0558/B(U)F-85<br>USA/0592/H(M)-96               | 7 CDN/E130/<br>0 J/150/B(U)F-85<br>0 F/736/H(M)-96  | 6 2002.03.01  | 5A,5B,8A,12A,12B,30B,48A,F,X & Y<br>JMS-87Y-18.5T   | ALL<br>S1B150,S2B150         | $\begin{array}{cccccccccccccccccccccccccccccccccccc$         |                            |
| USA/4986/AF   | 0 NL/0195/H(M)-96<br>27 E/023/AF<br>27 FIN/STUK/C621/46   |   | MODEL 48X and 48Y CYLINDERS RA-2, RA-3  | ALL                          | $\begin{array}{cccc} X & X & & X \\ X & X & & X \end{array}$ | TS-R-1<br>6/73AA<br>6/85AA |
| USA/5021/X<br>USA/5796/B(U)                         | 3 CDN/5229/X<br>12 CDN/E113/  | 0 2001.06.30<br>5 2002.07.31                                    | US-DOT SPECIFICATION 1A2<br>ADVANCED MED SYSS 181375,181361   | ALL                          | $\begin{smallmatrix}&&&X\\X&X&X&X\end{smallmatrix}$          | 6/85AA<br>6/73AA           |
| USA/9027/B(U)                                       | 12 E/083/B(U)<br>10 B/8.3USA.9027.96.33<br>10 CDN/E030/   | 10 2001.02.28   | 181735 and 181361<br>741,741E,741A,741AE,741B,741BE<br>AMERSHAM 741 & E. A. AE. B. BE   | ALL                          | X X X X X X X X X X X X X X X X X X X                        | 6/73AA                     |
| USA/9028/B(U)<br>USA/9143/B(U)<br>USA/9150/B(U)-85  | 8 B/8.3USA.9028.96.34<br>3 CDN/E067/<br>4 D/3109/B(U)   |   | Amersham 684EAEABBE<br>AMERSHAM 920 RADIOGRAPHY DEVICE<br>PAT-2   | ALL                          | X X X X  |                            |
| USA/9196/AF   | 12 RU/233/B(M)F-85T<br>12 RU/257/B(M)F-85T<br>15 DK/2-3794-401 (31)                                 | 0 2001.02.28<br>0 2001.07.29                                    | NUCLEAR PACKAGING, MODEL UX-30<br>TUK UX-30<br>NUCLEAR PACKAGING, MODEL UX-30   | ALL<br>ALL                   | X X  | 6/85AA<br>6/85AA<br>6/85AA |
| USA/9196/AF-85<br>USA/9196/AFX<br>USA/9203/AF       | 20 S/SKI/5.41-991315<br>20 NL/0058/AF-85<br>17 S/SKI/5.41-981472<br>5 CDN/E106/                     | 20 2001.02.28<br>16 2001.02.28<br>17 2001.02.28<br>4 2001.01.31 | NUCLEAR PACKAGING MODEL UX-30   | ALL                          | X X X X X X X X X X X X X X X X X X X                        | 6/85AA<br>6/85AA           |
| USA/9234/B(U)F                                      | 5 DK/3794-401 (28)<br>- RU/228/B(M)F-85T<br>10 S/SKI/5.41-000558<br>10 S/SKI/5.41-990145            | - 2001.01.31  | MODEL DHTF<br>TUK NCI-21PF-1<br>30B   | ALL<br>ALL                   | X X X X X X X X X X X X X X X X X X X                        |                            |

## PAGE 3 TABLE 4 - LISTING BY VALIDATION NUMBER FOR EXPIRED CERTIFICATES 2002.08.01

| REVALIDATION<br>OF           | REV CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFET<br>R R A S SERIE<br>A O I E NUMBE<br>I A R A<br>L D   |
|------------------------------|---|--|---|------------------------------|---|
| USA/9239/(A)F<br>USA/9239/AF | 7 CH/5043/(A)F 7 A/9601/AF 7 CZ/33296/AF 9 CDN/E171/ 9 NL/0176/AF 11 PL/0002/AF | 0 2002.03.31<br>2 2002.03.31<br>1 2002.03.31<br>3 2002.03.31<br>2 2002.03.31<br>0 2002.03.31<br>4 2001.12.31 | WESTINGHOUSE MCC-3, MCC-4, MCC-5<br>WESTINGHOUSE MCC-3, MCC-4, MCC-5<br>MCC-5<br>WESTINGHOUSE MCC-3, MCC-4, MCC-5<br>WESTINGHOUSE MCC-3, MCC-4, MCC-5<br>WESTINGHOUSE MCC-5<br>MODEL NO. MCC-3, 4.5 | ALL<br>all                   | X X X X 6/85A<br>X X X X 6/85A<br>X X X X 6/85A<br>X X X X 6/73A<br>X X X X 6/73A<br>X X X X 6/73A<br>6/73A |
| USA/9245/B(U)<br>USA/9274/AF | 5 B/8.3USA.9245.98109<br>2 CDN/E174/<br>2 S/SKI/5.41-991316                     | 5 2002.06.30<br>2 2002.07.31<br>2 2002.07.31   | MODEL RTS-420 ABB-2901 SHIPPING CONTAINER   | ALL                          | X X X X X 6/73A<br>X X X X 6/73A<br>X X X X 6/85A   |

#### TABLE 5

# MASS, CONTENTS AND DESCRIPTION FOR ALL CERTIFICATES AND VALIDATIONS

| VALIDATIONS  | DESCRIPTION |
|--------------|-------------|
| PR           | AND DE      |
| CERTIFICATES | CONTENTS    |
| H            | MASS        |
| 贸            | J-          |
|              | STING       |
| 2            | STI         |
| <b>TABLE</b> |             |

SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL OUTER CASING DESCRIPTION LINE 2

REV MASS CONTENTS NO (Kg)

CERTIFICATE NUMBER

PAGE 1 2002.08.01

|   | ST.STEEL SEALED STORAGE AND TRANSPORT PACKAGE FOR CONTAMINATED ITEMS ST.STEEL INNER CAPTUT DIMENSIONS.4.8 x 6.2 HEIGHT, with inner capsule ST.STEEL INNER CAPTUT DIMENSIONS.4.8 x 6.2 HEIGHT, with inner capsule ST.STEEL STAINLESS STEEL CAPSULE WITH WELDED LID ST.STEEL STAINLESS STEEL CAPSULE WITH WELDED LID ST.STEEL STAINLESS STEEL CAPSULE WITH WELDED LID ST.STEEL CAPSULE WITH ELECTR. WELDED LID ST.STEEL |
|---|---|
| 1800<br>1500<br>1500<br>700<br>1050<br>716<br>1690<br>716<br>1580<br>1580<br>1580   | 2 N/A 4 6 4 6 5 8 6 8 6 6 7 15 7 15 5 15 6 13 7 182 7 1 1822 7 2 284 DEPL. U 7 STEEL 7 STEEL 7 STEEL  |
| 1030<br>1651<br>1651<br>1900<br>615<br>615<br>1900<br>617<br>1070<br>1070<br>210<br>223<br>233<br>33<br>33<br>33<br>33<br>33<br>33<br>1070<br>1070<br>1070<br>1070  | 102<br>4 4 4 6 6 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8  |
| 33.336<br>23.3400<br>24.000<br>25.000<br>25.000<br>25.000<br>26.000<br>26.000<br>27.000<br>28.000<br>29.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.0000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.0000<br>20.000<br>20.000<br>20.000<br>20.000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.00000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.00000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.00000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.00000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.0000<br>20.00000<br>20.00000<br>20.00000<br>20.00000<br>20.00000<br>20.00000<br>20.00000<br>20.00000000<br>20.0000000000  | 158<br>10<br>16<br>16<br>16<br>2100<br>2100<br>5710<br>6400   |
| CONT.   |   |
| ## Trigar Fuel Elements (type DIDO, ESSOR)  ##S. Trigar Fuel ELEMENTS  ##S. 1.54 g) OR 2TBG C0-60 (MASS 1.24 g) SP.FORM  ##SS 1.37 g) OR 2TBG C0-60 (MASS 1.24 g) SP.FORM  ##SS 1.37 g) OR 2TBG C0-60 (MASS 1.24 g) SP.FORM  ##S 20 OR 2TBG C0-60 (MASS 1.24 g) SP.FORM  ##S 30 OR METAL IN FUEL PINS  IN THE FORM OF COBALT RODS IN SP. FORM CAPSULES  O IN THE FORM OF COBALT RODS IN SP. FORM CAPSULES  O 10 THE FORM OF COBALT RODS IN SP. FORM CAPSULES  O 20-60 in Special form.  D 3 SOLIDS. LIQUIDS OF PROMOFRS  D 40-60  In-192  C0-60  Ir-192  C0-60  C0-60  Ir-192   | 33 GGM Ra-226 Yb-169 as oxide in capsule and Tm-170 pelleets max. 740 GBq .5 GGM (500 mCi) Co-60 IN MFTAL FORM Co-60 1.85 TBq: Ir-192 7.4 TBq: Yb-169 740 Gbq SPECIAL FORM 1.85 TBq: Ir-192 discs. 3.7 TBq Co-60 1.85 TBq: Ir-192 metal discs. 2.66 TBq Co-60 Co-60. Ir-192. Tm-170 AS METAL PELLETS. Yb-169 AS OXIDE PELLETS Co-60. Ir-192. Tm-170 AS METAL PELLETS. Yb-169 as oxide pellets Co-60. Ir-192. Tm-170 as metal pellets. Yb-169 as oxide pellets Co-60. Ir-192. Tm-170 as metal pellets. Yb-169 as oxide pellets Co-60. Ir-192. Tm-170 as metal pellets. Yb-169 as oxide pellets Co-60. Ir-192. Tm-170 as metal pellets. Yb-169 as oxide pellets Ir-192 . 51.8 GBq OR 556 GBq depends on HDR or PDR FISSILE MATERIAL UP TO 15 G. NON FISSILE UP TO A1 VALUE U. Pu. Mox. 1460 bu as PuOZ. 58 Pu-240. density 6 3.5; mass differs for 2 versions 113000 IRRAD. FULL ELEMENTS 64 4 x Ir-192 in special form: 5.5 TBq for ech source   |
| 00008666040144466666666000000000000000111110  | 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |
| A/0002/8(U)F-85<br>A/106/S<br>A/106/S<br>A/106/S<br>A/106/S<br>A/106/S<br>A/9002/8(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/93038/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U)<br>A/9303/B(U) | AllS.47/596 B.7009/585 B.7013/585 B.7013/586 B.7013/596 B.7013/596 B.7013/8(U) B.7014/185 B.7014/8(U)F-85  |

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| S AND        | CINV        |
| CERTIFICATES | / OTNITENTO |
| AL.          | MACC        |
| FOR          | 5           |
| E 5 -        | TCTIMO      |
| TABLE        | -           |
|              |             |

| 5 DESCRIPTION LINE 2         | dubbel lid. schokabsorbers and Aluminium ring DRY STORAGE CASK, DUBBLE LID. Cylindrical package in steel cage  OUTER DRUM WITH WOOD INSERTS. STEEL ENCASED INNER IN WOODEN BOX STEEL ENCASED INNER CONTAINER IN WOOD LINED DRUM STEEL ENCASED INNER CONTAINER IN WOOD LINED DRUM STEEL ENCASED INNER CONTAINER IN WOOD LINED DRUM RADIOTHERAPY HEAD AND NECK ASSY WRAPPED IN INSULATION IN CRATE. STEEL ENCASED INNER CONTAINER IN A WOOD LINED DRUM RADIOTHERAPY HEAD STEELD. FICKED ON STEEL FRAME PROTECTION SHIELD. FICKED ON STEEL FRAME HEAT SHIELDS. FIXED ON STEEL STRUCTURE HEAT SHIELDS. FIXED ON STEEL STRUCTURE GAMMAGRAFIC DEVICE GAMMAGRAFIC DEVICE GAMMAGRAFIC DEVICE GAMMAGRAFIC DEVICE ST.STEEL DRUM CONTAINING CORK SPACERS AND ST.STEEL POT 490mm dia x 470mm high INSULATED STEEL CYL. CONTAINING STEEL CLAD LEAD POT STEEL ENCASED U-SHIELDED GAWMA RAY PROJECTOR? 3S3 TUBE SOURCE EXCHANGER RADIOGRAFIC DEVICE STAINLESS STEEL CAPSULES. MANY ARE CABLE TYPE RADIOGRAPHY SOURCES. STAINLESS STEEL CAPSULE MITH SOLID END CAPS AND INNER CAPSULES STAINLESS STEEL CAPSULE WITH SOLID END CAPS AND INNER CAPSULES STAINLESS STEEL CAPSULE WITH SOLID END CAPS AND INNER CAPSULES. STAINLESS STEEL CAPSULE WITH SOLID END CAPS INNER.  DOUBLE BUCAPSULATED FUSION-MELDED ASSEMBLY TYPE 316L ST STEEL  DOUBLE BUCAPSULATED FUSION-MELDED ASSEMBLY TYPE 316L ST STEEL  DOUBLE BUCAPSULATED STEEL CAPSULE STEE | OUTER DRUM WITH WOOD INSERTS. STEEL ENCASED TANER CONTAINER. RADIOGRAPHY DEVICES AND SOURCE CHANGER WITH CABLE TYPE SOURCES.                  |
|------------------------------|--|---|
| AL OUTER CASING              |  | STEEL<br>STEEL  |
| DIAM HGHT SHIELDING MATERIAL | 935 STEEL 990 STEEL 990 STEEL 457 518 EAD 489 521 LEAD 910 BB. 1700 BB. 170 | 457 520 PB<br>220 DEPL U  |
| ССТН МІОТН О                 | 296 112 290 112 1900 1900 2014 694 694 694 694 694 694 694 694 694 69  | 300 130   |
| SHAPE LG                     |  | DRUM<br>RT CYL 3  |
| MASS CONTENTS (Kg)           | 123000 irradiated fuel Doel4, 17A17, initial enrichement 4.25 % 124000 28 IRRADIATED FILE LOBEL III 5602 moossesabilises ars mox fuel pins 6000 1RRADIATED FILE LEPENTS 15A15 14500 URBADIATED FILE LEPENTS 15A15 14500 UF 60.0 in capsules max. 963 TBq 10.0 Mt. LIQUID FORM 10.0 6.0 in capsules max. 963 TBq 10.0 Mt. LIQUID FORM 10.0 6.9 1-131. In 120 URBADIATED RECOVER PRODUCTS. 37 TBq 1131 IN LIQUID. Ir-122 SQLID 126 37 TBQ MO99 + DECAY PRODUCTS. 37 TBq 1131 IN LIQUID. Ir-122 SQLID 126 37 TBQ MO99 + DECAY PRODUCTS. 37 TBq 1131 IN LIQUID. Ir-122 SQLID 126 ASVERAL ISOTOPES 15A15 A | 136 4.44 TGQ (120 C1)In192 IN METALLIC FORM IN WELDED STEEL CAPSULES.<br>20 1.85 and 3.7 TGQ In192 IN METALLIC FORM IN WELDED STEEL CAPSULES. |
| CERTIFICATE REV NO NO        | 99.06 99.06 99.06 99.06 99.09  | CDN/1003/B(U) 10<br>CDN/1005/B(U) 8   |

PAGE 2 2002.08.01

PAGE 3 2002.08.01

| 3 DESCRIPTION LINE 2              | RADIOGRAPHY DEVICE WITH TOP HANDLE. RADIOGRAPHY DEVICE WITH TOP HANDLE. RADIOGRAPHY DEVICE IN WERRAACK ASSEMBLY PLACED INSIDE A 30 GALLON (US) TRANSPORT DRUM F-448 SHIELDING VESSEL WITHIN THE F-327 OVERBACK INNER TRUNIATED RT CYL., HAS OVERPACK. DIMENSIONS INCLUDE SKID. STEEL ENCASED UNIT IN MOODEN CRATE. DIMENSIONS INCLUDE SKID. STEEL ENCASED UNIT IN MOODEN CRATE. DIMENSIONS INCLUDE SKID. STEEL ENCASED INNER IN A WOOD LINED OFRING. STEEL ENCASED INNER IN A WOOD LINED OFFING SKID. HAS FIRE SHIELD WITH FINS. HEIGHT INCLUDES SKID. HAS FIRE AND CRUSH SHIELD. HEIGHT INCLUDES SKID. HAS FIRE AND CRUSH SHIELD. HEIGHT INCLUDES SKID. COUNCINTER STEEL GAS BOTTLE. DIMENSIONS INCLUDE SKID.  CONCON SHAPED VERTICLE CYLINDER: WOODEN INPACT LIMITERS TOP & BOTTOM THERMALLY INSULATED RT CYLINDER IN OUTER DRUM. HT INCLUDE SKID CONTAINS 2 SOURCE HEADS MOUNTED ON SKIDS. DIMENSIONS INCLUDE SKID CONCONNERS. THE SHIELD  THERMALLY INSULATED RT CYLINDER IN OUTER DRUM. HT INCLUDES SKID CONCONNERS. TEEL CALUMINUM OVERPACK. DIMENSIONS INCLUDE SKID.  RADIOTHERARPY HEAD AND NECK ASSY WRAPPED IN INSULATION IN GRATE HAS WOOD-STEEL-ALUMINUM OF SPEC 2R INNERS WITH VERMICULITE INSULATION 208 L DRUM CONTAINING 4 SPEC 2R INNERS WITH VERMICULITE INSULATION   | CUBOID BODY WITH FRONT & REAR COVER PLATES. REMOVABLE DRAWER. RADIOGRAPHY DEVICES WITH INNER S TUBE. DIMENSIONS INCLUDE HANDLES. |
|-----------------------------------|---|--|
| RIAL OUTER CASING                 | STEEL | ST ST<br>ST ST<br>STEEL<br>LEAD<br>ST ST<br>STEEL  |
| IDTH DIAM HGHT SHIELDING MATERIAL | 197 35 22 DEPL U 484 489 520 PEP U 9 DEPL U 1460 PEP U | 762 1381<br>978 1100<br>121 94 LEAD<br>1090 1700 ST ST<br>1130 1637 LEAD<br>352 290 DEPL U                                       |
| Е ССТН МІДТН                      | 313<br>520<br>1118<br>826<br>1001<br>1000<br>1830<br>1924<br>1930<br>1010<br>1729<br>1700   | 2464<br>978<br>190<br>1560   |
| MASS CONTENTS SHAPE (Kg)          | 52 11 TBq (300 C1) Ir192 IN WETALLIC FORM IN A WELDED STEEL CAPSULES. 13 4.07 TBq (110 C1) Ir192 IN WETALLIC FORM IN STANNESS STEEL CAPSULES. 13 6.07 TBq (110 C1) C60 IN METALLIC FORM IN STANNESS STEEL CAPSULES. 13 6.09 THE FORM A C0-60. IN METALLIC FORM IN WELDED STEEL CAPSULES. 14 70 M0-997/C999 A C0-60. IN SOLID FORM IN WELDED STEEL CAPSULES. 15 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 15 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 15 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 15 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 16 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 17 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 18 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 19 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 19 M0-997/C999 TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 19 M0-997/C999 TO K11 TBQ TO KC1) C60 IN SOLID FORM IN WELDED STEEL CAPSULES. 19 M0-997/C999 TO K11 TBQ TO K11 TDQ TO TDQ | 2890<br>2216<br>13600<br>4400<br>1590  |
| REV<br>NO                         | 88 88 88 88 88 88 88 88 88 88 88 88 88  | 100001   |
| CERTIFICATE<br>NUMBER             | CDN/1039/R(U) CDN/1036/R(U) CDN/1036/R(U) CDN/1039/R(U) CDN/2003/R(U) CDN/2013/R(U) CDN/2013/R(U) CDN/2013/R(U) CDN/2013/R/ CDN/2113/R  | CDN/5198/X<br>CDN/522/X<br>CDN/5226/X<br>CDN/5226/X<br>CDN/5227/X<br>CDN/5228/X<br>CDN/5228/X<br>CDN/5228/X                      |

| AND VALIDATIONS | DESCRIPTION |
|-----------------|-------------|
|                 | V           |
| CERTIFICATES    | CONTENTS    |
| ALL             | MACC        |
| FOR             |             |
| 7               | CTIME       |
| 2               | F           |
| TABLE           | -           |

| DESCRIPTION LINE 2              | RADIOGRAPHY DEVICES WITH INNER GUIDE TUBES. TRANSPORTED IN OVERPACK RADIOGRAPHY DEVICE WITH INNER GUIDE TUBE AND OVERPACK RADIOGRAPHY SOURCE CHANGER WITH 2 J GUIDE TUBES. EXPOSURE DEVICE IN A STAINLESS STEEL OVERPACK. RADIOGRAPHY SOURCE CHANGER WITH ZIRCALOY "S" TUBE. RADIOGRAPHY DEVICE WITH TUNGSTEN SOURCE TUBE. RADIOGRAPHY DEVICE WITH TUNGSTEN SOURCE TUBE.  3 LEVELS OF CONTAINMENT, WINDSCALE POT, STEEL CYLINDER, OUTER DRUM. PRECTILINERS STAINLESS STEEL INNER CONTAINNER IN A SPEC 17C DRUM. OVERPACK CONTAINING A THERAPY HEAD OR ANS 3320AR INNER PK. VARIOUS, USE CYLINDERS WITHOUT THEIR OVERPACKS, SEE ANSI 114.1. | MODELS 30B INNER CYLINDERS. UF6 IN 30A CYLINDERS NOT AUTHORIZED MODEL 30B INNER CYLINDERS WITH OVERPACK SEE TABLE I OF CERTIFICATE FOR ALLOWABLE ENRICHMENT AND QUANTITY UX-30 OVERPACKS CONTAINING 30B CYLINDERS ONLY. SEE BELOM   | OUTER PACKAGING. STAINLESS STEEL ENCASED BALSA WOO<br>55 GALLON (US) STEEL DRUM   | URANIUM OXIDE PELLETS ARE PACKAGED IN BOXES POSITIONED WITHIN A 10 GALLON STEEL DRUM CONTAINING EITHER IR-50 SOURCE CHANGER OR 30B UF6 CYLINDER   | EQUIPPED WITH 4 SKEMED TIE-DOWN LUGS WELDED TO OUTER SHELL CYLINDRICAL FIRESHIELD. CLOSURE PLUG. TOP CRUSH SHIELD AUTHORIZED TO CONTAIN UP TO 3 PAILS FISSILE MATERIAL  SNUG FITTING INNER METAL CYLINDER AND VALVE PROTECTION DEVICE UKI-4-135 SHALL BE TRANSPORTED IN THE SKODA-UJP UKI-4 OVERPACK  "S" TUBE AND SHELL FILLED WITH POLYETHYLENE FOAM WITH POLY JACKET 6 COMPARTMENTS IN WHICH FULE ELEMENTS CAN BE PLACED LENGTH 6 48Y CYL IS 3804 MM  ST ST BASKET FITS IN CAUITY  SINGLE VALVED POT - MKIII OR WHIV. DOUBLE FOR MK V  2 U-SHAPED CHAMBERS INTO WHICH THE 2 FUEL ASSEMBLIES ARE PLACED  2 TRANSPORTS: VILLIGEN TO LEIBSTADT LEIBSTADT TO VILLIGEN 6 FRG FROM DECOMM. OF LUCENS REACTOR: WALID ONLY IN SWITZERLAND! INNER CAVITY DIM: . 4520 mm LONG X 474 mm DIA.  CAVITY DIM: . 1220 mm DIA. X 4880 TO 4595 mm LONG  CONTAINER FOR SHIPPING UOZ FUEL RODS  OVERPACK (OUTER CASK) FOR TYPA A-PACKAGINGS TYPE II.III (Inner C.) |
|---------------------------------|--|---|---|---|---|
| L OUTER CASING                  | STEEL ST STEEL STEEL STEEL STEEL STEEL   | ST STEEL<br>STEEL<br>STEEL<br>STEEL<br>ST ST<br>ST ST   | ST ST<br>ST ST<br>ST ST<br>STEEL<br>ST ST<br>TITANIUM<br>STAINLESS STEEL<br>ST ST S  | S S S S S S S S S S S S S S S S S S S   |   |
| M HGHT SHIELDING MATERIAL       | 470 DEPL U 303 DEPL U 230 DEPL U 3 DEPL U 195 DEPL U 195 DEPL U 195 DEPL U 195 DEPL U 196 DEPL U 216 ST ST NONE 5 902 NONE 1040 PB NONE  | 2220<br>1740<br>880<br>1800   | 1367<br>1200<br>883<br>890<br>1400<br>142<br>284  | 920<br>920<br>337<br>557<br>557<br>657<br>730<br>1356<br>212<br>212   | 6 1   |
| LGTH WIDTH DIAM                 | 483<br>372<br>190<br>173<br>610<br>135<br>327<br>114<br>575  | 2290<br>575<br>1108<br>610<br>840<br>1105   | 1356 620<br>572<br>600<br>137 1130<br>212<br>212  | 58<br>210<br>368<br>368<br>335<br>1340<br>132<br>132  | 1062 2<br>1980 2<br>356 608<br>292 168<br>980 127<br>122 231<br>1677 231<br>1677 725<br>1032 712<br>756 2500<br>756 2500  |
|                                 | 813<br>533<br>180<br>400<br>584<br>330<br>225<br>225<br>225  | ()  |   |   | 1980<br>660<br>660<br>338<br>338<br>2089<br>3016<br>5251<br>5867<br>5867<br>5867<br>5867<br>6000  |
| REV MASS CONTENTS SHAPE NO (Kg) | 234<br>211<br>45<br>48<br>313<br>21<br>20<br>24<br>24<br>292<br>24<br>292  | 25000 IRRADIATED FUEL ELEMENTS AS DETAILED IN TABLES 182 OF CERTIFICATE 3900 ENRICHED UFG IN SOLID FORM IN MODEL 30B CYLINDERS WITH OVERPACKS. 277 INTRRADIATED DRY URANIIM OXIDE POWDER OR PELLETS 4026 ENRICHED UFG IN SOLID FORM IN MODEL 30 STEEL CYLINDERS. 210 6.60 GBQ OX LESS OF URANIUM OXIDE ENRICHED IN U-235 950 MTR FUEL ELEMENTS CONTAINING U/AL ALLOY ENRICHED IN U-235 3636 UFG ENRICHED IN U-235 TO NOT MORE THAN 5 w% | ENCAPSULATED SOLID RADIONUCLIDES IN METALLIC, OXIDE OR CHLORIDE TRITIUM MESCREED ON ZrCO BED WIRRADIATED URANIUM SOLID METALS.COMPOUNDS OR ALLOYS OR SEE CERTIFICATE TABLE.  OF CS131 1800 TBQ WITHIN THE SPECIAL FORM SOURCE CAPSULE ASSEMBLY G-60  MAX2 UNIRRADED FUEL ASSEMBLI MAXIMUM ENISTEMBNIT OF 5 W% OF U-235 MAX COMBINATION OF SE-7.5 & IR-192 UP TO 22 TBQ. SPECIAL FORM DAID PROP. OF INTERNAL STORM OF LANDING. | 300 SINTERED URANIUM OXIDE PELLETS ENRICHED TO A MAX OF 5.0 W/O U-235 41 CONTAINED IN THE AEA TECHNOLOGY SOURCE MODELS A424-9, 969 and 877 28 see further details on certificate 40 Iridium 192 Special form 34 MUST MEET REQUIREMENTS OF SPECIAL FORM AS PRESENT IN CERT TABLE 4227 FABRICATED FROM NATURAL OR REPROCESSED URANIUM WITH MAX ENRICH 5% 20 SPECIAL FORM ENCAPSULATED WITHIN MOSS NORDION 66. CIS-US 791 OR SW3 22 SPECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 20 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 20 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 20 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN MORBION 66. CIS-US 791 AND SW3 200 DECIAL FORM ENCAPSULATED WITHIN FOR ENCAPSULATED WITHIN THE PERSON FOR ENCAPSULATED WITHIN THE |   |
| CERTIFICATE<br>NUMBER           | CDN/E030/-86 CDN/E033/-86 CDN/E044-86 CDN/E054/-86 CDN/E056/ CDN/E067/ CDN/E094/ CDN/E094/ CDN/E106/ CDN/E113/ CDN/E113/ CDN/E130/   | CON/E136/-85<br>CDN/E139/<br>CDN/E140/<br>CDN/E141/<br>CDN/E145/-86<br>CDN/E146/-86<br>CDN/E146/-86   | CDN/E153/-85 CDN/E155/-86 CDN/E160/-86 CDN/E160/-86 CDN/E169/-86 CDN/E171/- CDN/E171/-85 CDN/E171/-86   | CDN/E174/<br>CDN/E187/-85<br>CDN/E189/-85<br>CDN/E189/-85<br>CDN/E189/-85<br>CDN/E186/-95<br>CDN/E186/-95<br>CDN/E187/-85   | CDN/E188/-86 CDN/E189/-86 CDN/E192/-86 CDN/E193/-86 CDN/E193/-86 CDN/E193/-86 CDN/E193/-86 CDN/E199/-86 CDN/E200-86 CDN/E200-86 CDN/E200-86 CDN/E201-96 CDN/E201-96 CDN/E201-96 CDN/E201-96 CDN/E201-96 CDN/E201-86 CH/241/X CH/5024/AF-86 CH/5034/AF-86 CH/5034/AF-86 CH/5034/AF-86  |

PAGE 4 2002.08.01

PAGE 5 2002.08.01

| bescription Line 2           | UNIRRAD, FUEL ASSEMBLY WITH STRONGBACK AND ADJUSTABLE CLAMP<br>IN CASK WITH SHOCK LIMITERS, TWO-LID SYSTEM, NEUTRON SHIELD AND FINS<br>ONLY WALID ON SWISS TERRITORY!!   | VALID ONLY IN SWISS TERRITORY, TS-R-1 IN EFFECT AFTER 2002.01.01 FOR TRANSPORT AND STORAGE OF 97 IRRAD. FUEL ASSEMBLIES cask incl. lead shield and insulation, with shock limiters                            |                          | BPORT OF 2 UNIRRAD. PWR FUEL ASSEMBLIES                                  | APPROVAL TO SSG/85AA UNTIL 2001.12.31. OTHERWISE TS-R-1<br>APPROVAL TO SSG/85AA UNTIL 2001.12.31. OTHERWISE TS-R-1<br>APPROVAL TO SSG/86AA UNTIL 2001.12.31.   |                | ONLY FOR USE ON SWISS TERRITORY | MILD STEEL CORK LINED DRUM WITH INNER LEAD SOURCE POT                                     | SI.SIEEL DKUM CUNIAINING CURK SPACEKS AND SI.SIEEL PUI | STEEL COVERED WOODEN CASE WITH U SHIELD; COVERED BY STEEL INSIDE |         | steel Cylinder<br>steel box wooden filling, inner steel Cylinder |         | steel box with lead shielding<br>steel cylinder with depl. U sheilding in transport box      | steel cylinder with inner steel cylinder hermeticaly closed          | overworked body of russian cask Kiz-4b, steel with lead shielding<br>steel box with steel cylinder inside lead shielded | steel cylinder with holders          | steel cylinder double jacketed  | double encapsulated | steel cylinder fixed in wooden box | steel barrel with lid                                   | tank for max 0.4 MPa |         | cast iron mantle with steel vessel inside with welded اناط المعاددة وجوداً وجوداً المعاددة ا | double cylinder, inner part-shielding, outer part heat isolation-w  | cylinder equipped by lids and shock absorbers                      | steel barrel with lid                 | cylinder                         | steel cylinder filled with heavy concrete                           | seer of midel liked to tabe steel stails<br>special form AmO2 fixed in ceramics | steel cylinder Pb shield inside wooden box   | 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | steel cylinder with depl. U shielding<br>4 steel cylinders connected together by steel frame       | steel cylinder, inside lead shielding<br>steel cylinder                     |
|------------------------------|--|---|--------------------------|--|--|----------------|---------------------------------|---|--|--|---------|--|---------|--|--|---|--------------------------------------|---|---------------------|------------------------------------|---|----------------------|---------|---|---|--|---------------------------------------|----------------------------------|---|---|--|---|--|---|
| L OUTER CASING               | STEEL NOD. CAST IRON ST.STEEL  | ST.STEEL<br>ST.STEEL<br>steel   | NOD. CAST IRON           | STEEL<br>ST.STEEL  | CT CTEE!   | STEEL<br>STEEL | 3166                            | RESIN, WOOD<br>ST.STEEL   | STEEL<br>STEEL   | STEEL  | steel   | steel  | steel   | steel  | steel  | steel   | steel                                | steel   |                     | steel                              | steel   |                      | steel   | cast iron   | steel   | steel  | steel                                 | steel                            | steel   |   | steel  | steel                                     | steel  | steel   |
| 4 HGHT SHIELDING MATERIAL    | 0 6058 IRON, PARAFFIN<br>825 STEEL<br>790  | 5<br>0<br>1ead  | 9                        | 787 STEEL<br>886   | 27 275   | 890            | t<br>o                          |   | 253  | 2 510 DEPL. U.<br>2410 ST.STEEL                                  | 270     |  | 950     |  | 420  |   | 288                                  |   | 276 steel           | 284                                | 304 steel<br>) 820 steel                                | 2600                 | 800     | 4745  |   | 1800   | 807                                   | 1280 Pb                          | 3 5966 heavy concrete   | 00  | 1156   | 470                                       |  | ) 1360 Pb<br>) 1490 U-deplet  |
| отн ріам                     | 1130<br>2500<br>1040<br>986  | 2990<br>2765<br>2990<br>1030  | 2500<br>2240<br>2264     | 986<br>885   | 2240<br>2240   | 608            | 2990                            | 925<br>327  | 32/<br>194   | 332  | 146 146 | 006  | 480     | 800 280  | 325  | 981   |                                      | 800   |                     | 800                                | 1/5   | 2500 1700            | 920     | 3090  | 380   | 1300   | 909                                   | 980                              | 3153  |   | 873  |   | 011 0110   | 1040  |
| LGТН WIDTH                   |  | 6490<br>6350<br>6145<br>3136  | 6126<br>6022             |  | 6126<br>6126<br>2080   | 600            | 6272                            | 5323  |  |  |         | 1280   |         | 000  |  | 920   |                                      |   |                     | 1200                               |   | 5070 2               |         |   |   |  |                                       |                                  | 1/10  |   | 1010   |   | 3440   |   |
| SHAPE                        | ; ;  | 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9   | CYL.                     | : :  |  |                |                                 |   |  | fo-9 CYL.<br>CYL.  |         | cy i iiide<br>box  | cylinde |  |  | cylinde<br>cuboid   |                                      | 2.2TBq Co60 cylinde   |                     |                                    | cy linde<br>cylinde                                     |                      | cylinde | cylinde   | cylinde   | cylinde  | cylinde                               | cylinde                          | cylinde   | cylinde   |  | cylinde                                   |  | cylinde<br>cylinde  |
| REV MASS CONTENTS<br>NO (Kg) | UNIRRAD. PUR UD2 FUEL ASSEMBLIES, MAX. 5 WEIGHT % U-235 116200 VITRIFIED RESIDUES FROM REPROCESSING 3750 Combustibles MOX PWR S900 MAX. 2 PMR FUEL ELEMINT STORM MAX. 2 PMR FUEL ELEMINE TES TORM AND FUEL REPROFESTER TO TRANSPORT AS TOWN BY TOWN FUEL ASSEMBLES TO TRANSPORT OF TRA | 1 13900U MAX. 3/ 16KAU. FUEL KASEMBLIES 11PP 15X15 1 118000 1.22 EXABECQUERELE 002: 28, 32 or 52 IRRAD. ASSEMBLIES 0 133740 9/ 1RRAD. FUEL ASSEMBLIES 0 24270 irradiated MTR fuel elements (type DIDO. ESSOR) | 115000<br>79379<br>78060 | 3400 MAX 2 14x14 OR 15x15 FUEL ASSEMBLIES<br>1525 BWR-TYPE FUEL ELEMENTS | 0 79379 7 PWR FUEL ASSEMBLIES, MAX. 2850 TONNES UD2. MAX. 570 PBq<br>0 78060 7 PWR FUEL ASSEMBLIES, MAX. 2860 TONNES UD2 OR MIXED OXIDE.<br>0 1400 EDECEL DICTION OF THE PROPERTY OF THE TAXA OF THE PROPERTY OF THE PROPERT | 260            | 135000                          | 5600 FRESH MOX FUEL (UP TO 5.10E16 Bq) 54 MAX. 21TBq I7-122 OR 2.6TBq Cs-137 IN IAEA SFCs |  | 132  | 41      | 2550   |         | 1 3000 35016q C060<br>2 100 192-Ir 44, 60-Co 0.03, 137-Cs 184, 226-Ra 0.02, 75-Se 370, 90-Sr | 2 185 192-Ir 185 60-Co 0.07 137-Cs 668 226-Ra 0.04 75-Se 1630 90-Sr; | 1 2800 2001BG C880<br>1 800 110TBG C\$137   | Ir-192, max. 4 peaces up to 14.8 TBq | or, Al with max.activity 2.2TB الله عليه 30 الله 12 كالع. الله 1300 الله 12 كالع. الله 1300 الله 1300 الله ال |                     | 1300 depl                          | 0 II LSA SCO<br>1 350 uranium concentrate and other LSA | 0 15000 LSA          | 2000    | 0 130000 84 spent fuel elements from WMER 440 energetic reactor<br>೧ 20420 10 ខណៈក្រោមនៃក្រភ ១៩ ៩១ភាគ មាននៃ ២៣២០ 1000 ភពនៅក្នុង១៨ ៣១៤ ៧ ៩% 11 235   | 23-00 10 assemblies OF Hesh Tael MMEN 1000; EHTICHED MAX: 4.0% 0-253<br>145 Tr-192 14.06 Cn-60 0.015 Cs-137 6.29 Ra-226 0.0163 Se-75 85 S | Fe-55 5.228, Cr-51 3.565, Co-60 0.508, Ni-63 0.353, Fe-59 0.115, C | 350 uranium concentrate and other LSA | 1300 137-Cs 300 TBq, 60-Co 1 Tbq | 0 97840 spent fuel RBMK 1500 102 half assembly cs.137 un to 113 TRA | 200 GBa Am  | 1970 60-Co 555 TBq in C-146 or C-151 capsles | 56 TBq Ir-192                             | 1 15 3.7 16q 17-192<br>0 2100 fresh fuel up to 4.75 U-235 as WWER-440 U02 oxide with Gd203 oxide . | 0 3830 1100TBG Cc60, 3000TBG IF192, 3780 TBG Cs137<br>1 3980 Co-60 5550 TBG |

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| ERTIFICATE                                     | CONTENTS     | TO DESIGNATION OF THE PROPERTY |
| ALL CE   | MASS,        |  |
| TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS | LISTING OF 1 | 200  |
|  |              |  |

| CERTIFICATE REV NO NO   | MASS CONTENTS (Kg)   | SHAPE LG               | LGTH WIDTH C        | DIAM HGHT SHIELDING MATERIAL              | G MATERIAL OUTER CASING                          | SING DESCRIPTION LINE 2   |
|---|--|------------------------|---------------------|---|--|---|
| CZ/27599/B(U)<br>CZ/291/B(U)F-85<br>CZ/29210Z/B(U)-85<br>CZ/33039/B(U)F-85<br>CZ/33296/AF | 4 8 8 8 8 8 8  | (1)                    | 650<br>1356<br>269  | 664<br>880<br>1367<br>700<br>347          |  | steel cylinder shielded by lead construction for 4 fuel assemblies stainless steel depl. U shielded container on its own pallet steel cylinder with Pb shield depleted uranium shielding, steel casing with cork liner              |
| L2/918400/B(U)-85<br>D/0009/S-85<br>D/0044/S-85<br>D/0045/S-85                            | 1 13.1:0 TRG IT-192 3 UP TO 2.7 MBQ AM-241, OXIDE IN METALLIC FOIL 3 UP TO 1.1 TBG CS-137, SULFATE 1 UP TO 5 TBG CS-137, SULFATE 3 IP TO 55G GSG TR-192 MFTALITE PELLETS   | CYL. CYL. CYL. CYL.    | 752                 | 100 156 depl. U<br>68 123 0<br>12 18<br>0 | steel Au AND Ag ST.STEEL ST.STEEL ST.STEEL       | Steel Cylinder Thier Part With depl. U Shielding IONIZATION CHAMBER SWOKE DETECTOR DOUBLE WALL, ARGON ARC-WELDED SMAIL SAFFIN SOINROPE CONNECTED UND ELEXIBLE WIREPOPE  |
| D/0048/5-85<br>D/0060/5-85<br>D/0066/S-85   | ∍  |                        | 2100                | 1<br>1 0<br>13 19 0                       | ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL     | S   |
| D/0068/S-85<br>D/0069/S-85<br>D/0070/S-85   |  |                        | 130<br>2000<br>2080 | 27 0<br>6 16 0<br>1 0                     | ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL     | DOUBLE ENCAPSULATION, ARGONARC WELDED  DOUBLE ENCAPSULATION, 11G WELDED  SINGLE ENCAPSULATION, LASER WELDED  STATE FROMBINE FROM ATTON WELDED  STATE FROMBINE FROM ATTON WELDED   |
| D/0072/S-85<br>D/0073/S-85  | UP TO 188  |                        | 8                   | 13 19 0                                   | ST.STEEL<br>ST.STEEL                             | DOUBLE ENCAPSULATION, TIG WELDED DOUBLE ENCAPSULATION, TIG WELDED POUR F FROM THE MELDED  |
| D/0076/5-85<br>D/0077/5-85  | UP TO 111 GB4<br>UP TO 111 GB4<br>UP TO 111 GB4  | <br><br>               |                     | 32 4 55                                   | ST.STEEL<br>ST.STEEL<br>ST.STEEL                 |   |
| D/00/9/5-85<br>D/0080/S-85<br>D/0081/S-85   |  | CYL.<br>CYL.<br>ROD 25 | 2585                | 8 12<br>5 8 0<br>1                        | SI.SIEEL<br>ST.STEEL<br>Ni-Ti ALLOY              | LOY   |
| D/0082/S-85<br>D/0083/S-85  |  | 2                      | 2585<br>703         | 38  | NiTi ALLOY<br>ST.STEEL                           | SWALL SEALED SOURCE CONNECTED WITH LONG FLEXIBLE WIRE ROPE SINGLE ENCADELATION. 1.1. GWELDED CANNOT FROM FIRE TO WELDED   |
| D/0084/S-85<br>D/0085/S-85<br>D/2001/R/II)-85   | UP 10 ZZZ 164 CS-137. SULPAIE UK CERAMIC  0 UP TO SEG CO-60 METALIC. OR 28GBQ CS-137 CERAMIC   |                        | 17                  | 38 SI.SIEEL<br>6<br>730 1300 1654         | ST.STEEL   | SIMPLE OK DOUGEL ENCAPSULATION, 1.1.GWELDED DOUBLE ENCAPSULATION, WELDED Innor cast with land of orthography with shoot   |
|   | 122  |                        | 443<br>443          | 240 depleted                              | uranium  | Timer cask with read, Outer cask with wou<br>Step cask with uranium shield inside<br>Step cask with uranium shield inside   |
|   | 1400 Co-60:2.3 TBq.Cs-137.Ir-192:370 TBq, S.F.   |                        | ) (                 | 009                                       |  | Outer steel cask with inner steel containm, to enclose the source   |
| D/2011/B(U)-85<br>D/2012/B(U)-85<br>D/2013/B(U)-85  | 9 13 (S-137:0.19 H8q,1P-192:1.5 H8q;1D-193;1M-170:3.7 H8q, S.F.<br>9 16 (S-137:0.37 H8q,1P-192:Yb-169;1M-170:3.7 H8q, S.F.<br>0 10 Cs-1377:0.7 H8q 1Ps-190:7 E TPa VP. 160 TM-170:3 7 TPa C  | . [S                   | 257<br>257<br>261   | 110 depleted                              | depleted uranium steel<br>depleted uranium steel | Steel cask with uranium shield inside, with support and handle Steel cask with uranium shield inside, with support and handle Steel cask with uranium shield inside, with support and handle Steel cask with uranium shield inside. |
|   | 13 Co-60.1 JTBq.(S-137:1.5Bq.Ir-129:27Eq.Vb-169:1717) 156.7 JFq.(S-137:1.5Bq.Ir-120:27Eq.Vb-169:1717) 156.7 JFq.(S-137:1.5Bq.Ir-120:27Eq.Vb-169:1717) 176.7 JFq.(S-137:1.5Eq.Ir-120:29:1717) 178.7 S-137:1.5 JFq.(S-137:1.5Eq.Ir-120:29:20:1717) 176.7 S-137:1.5 JFq.(S-137:1.5Eq.Ir-120:29:20:1717) 176.7 S-137:1.5 JFq.(S-137:1.5Eq.Ir-120:29:20:1717) 176.7 S-137:1.5 JFq.(S-137:1.5Eq.Ir-120:29:20:1717) 176.7 S-137:1.5 JFq.(S-137:1717) | <br>5 & &              | 09                  |   | uranjum  | cask with uranium shield inside,<br>cask with uranium shield inside,<br>cask with uranium shield inside   |
|   | 2. CS-137. 0.19T8q.TR-192:3.7TBq.Yb-169:0.37TBq.TR-170:  | <br>                   | 00 0                |   | uranium  | cask including wood, inner cask onester.  |
|   | 188  |                        | 32.0                |   |  | cask with unanium shield inside. With support and cask with unanium shield inside. With support and   |
|   | 186  | <br>                   | n<br>n              | 166                                       | depleted uranium steel                           | Steel cask with uranium shiled hislae, with support and handle Steel cask with uranium shiled inside  |
|   | 48 6   | <br>                   | 400                 | D/T                                       |  | cask  |
| -85   | 332  |                        |                     |   |  |   |
|   | 202  | trlang.<br>cyl.        | 204 297<br>390      | 097                                       | n.,tung.<br>uranium                              |   |
|   | 9000 Co-60,Cs-134,C3<br>1400 Co-60:2.3 TBq.  | . [.                   | 0                   | 1060 1500 1ron,lead<br>600 600 lead       |  |   |
|   | 22 23  | <br>                   | 350 132<br>350 132  | 222                                       |  |   |
|   | Concent<br>Co-60,C   |                        |                     |   | T.   | Nodular cast iron cask with lid. Nodular cast iron cask with lid.   |
|   | 27900  | cyl.                   | 2640 2250           | 2150                                      | nod.   | cast iron Nodular cast iron cask with 11d, with shock limiters cast iron Nodular cast iron cask with 11d, with shock limiters   |
| D/2090/B(U)-85  | 1 9350 contaminated and activated components   | Cy.                    | 7                   | 1060   1500 iron,leac                     | d  | Nodular cast iron cask with Ild, with shock limiters  |

PAGE 6 2002.08.01

| VALIDATIONS  | DESCRIPTION |
|--------------|-------------|
| AN A         | AND DE      |
| CERTIFICATES | CONTENTS    |
| ALL          | MACC        |
| FOR          | 5           |
| -            | TND         |
| ABLE 5       | TCTIMO      |
| ⋖            |             |

PAGE 7 2002.08.01

| ASING DESCRIPTION LINE 2                | Nodular cast iron cask with lid, with shock limiters steel cask with fins. lead shield and insulation inside   | iron<br>iron<br>iron   | it income cask with shock limiters, two lid system, neutron shield and fins the firm Cask with shock limiters, two lid system, neutron shield and fins the construction cask with shock limiters. The lid system, neutron shield and fins the line cask incl. insulation and nime cask incl. neutron shield cask with shock limiters, two lid system, neutron shield and fins the cask with shock limiters, two lid system, neutron shield and fins the cask with shock limiters, two lid system, neutron shield and fins the string cask with shock limiters, two lid system, neutron shield and fins the construction of the system settled and fins the string swith shock limiters. The lid system, neutron shield and fins the long with shock limiters steel cask with lead shielding inside. With shock limiters steel cask with spring suspended case for taking fuel elements the cask with shock limiters, two lid system, neutron shield and fins the long cask with shock limiters, two lid system, neutron shield and fins the long cask with spock limiters, two lid system, neutron shield and fins the long that cask with spring suspended case for taking fuel elements. |
|---|--|--|--|
| L OUTER CASING                          | steel steel  | steel nod. cast iron steel nod. cast iron steel nod. cast iron steel nod. cast iron steel steel steel steel steel steel steel steel steel  | nod. cast iron nod. cast iron nod. cast iron nod. cast iron steel steel nod. cast iron steel steel nod. cast iron nod. cast iron steel  |
| LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 1060 1500 iron.lead<br>880 1200 lead   | 1000 986 2046 1030 225 1040 1050 1050 1050 1050 1050 1050 105  | 2506 4849 fron, paraffin<br>2436 5862 iron, paraffin<br>2436 5862 iron, paraffin<br>1430 1631 iron<br>418 557 paraffin<br>2500 6058 iron, paraffin<br>2436 5451 iron, paraffin<br>2436 5451 iron, paraffin<br>159 120 1535 lead, steel<br>790 2660 4080 iron, paraffin<br>250 6058 iron, paraffin<br>396 790 1700 1835 lead, steel   |
|   |  | 5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000<br>5000 | 4538<br>   |
| SHAPE                                   | د ري<br>. دي .   |  | (27). (27). (27). (27). (27). (27). (27). (27). (27). (27). (27). (27). (27).  |
| EV MASS CONTENTS (Kg)                   | 0 9190 Waste from NPP 3 3400 sealed sources. Co-60.Cs-137.Ir-192.Ra-226.Am-241.diff. activities cyl. 5 see original certificate 4 see original certificate 5 see original certificate 5 see original certificate 6 co-60 as special form material 7 Co-60 as special form material 8 co-60 as special form material 9 co-60 as special form material 1 see original certificate 1 see original certificate 2 see original certificate 3 see original certificate 4 see original certificate 5 see original certificate 6 see original certificate 7 See original certificate 7 See original certificate 8 see original certificate 9 see original certificate 1 see original certificate   |  | 113000 28 Irradiated PWR Tutel elements (WMER 440) 2 134400 84 irradiated PWR Futel elements (WMER 70 or WWER 440) 3 136440 19 irradiated PwR and PWR-MOX Tutel elements 2 15170 irradiated futel elements of research reactors 2 116 Pu-230/Be-neutron sources 3 116000 vitrified residues from reprocessing 3 115000 vitrified residues from reprocessing 3 15000 up to 52 irradiated PWR and PWR-MOX fuel elements 5 139200 19 irradiated PWR and PWR-MOX fuel elements 3 13220 irradiated PWR and FUEL ELEMENT 2 333 1 unirrad. SNR 300 fuel elem. or up to 40 unirrad. MOX fuel pins 3 13230 irradiated PWR fuel elements and converter plate 3 3560 2 unirradiated PWR fuel elements 1 118080 irrad. PWR fuel elements (WMER) and accessories, Pu-Be sources 2 116200 vitified residues from reprocessing 3 3900 2 unirradiated PWR fuel elements  |
|   | 3400 sealed sources, 3400 sealed sources, 3400 sealed sources, see original ce 1r. Cs as special 1r-192, Cs-137 see original ce see original c | 3 3750<br>8 81300<br>8 81300<br>7 6650<br>7 29000<br>7 29000<br>4 13300<br>9 86100<br>9 86100<br>10 88600<br>10 88600<br>10 86100<br>2 19900<br>2 19900<br>2 2 6100<br>4 2 600<br>6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6  | 13/300 US Infradiated PWR fuel elements 13/3440 84 irradiated PWR fuel elements 13/6440 19 irradiated PWR and PWR-MOX fuel elements 13/6440 19 irradiated Fuel elements of research reactors 11/6 Pu-239/Be-neutron sources 11/6 Ovitrified residues from reprocessing 13/600 vitrified residues from reprocessing 13/800 up to 52 irradiated BWR fuel elements and MOX-fuel of 13/9200 19 irradiated PWR and PWR-MOX fuel elements 13/1 IS NR 300 FUEL ELEMENT 13/2 Inmirrad. SNR 300 fuel elem. or up to 40 unirrad. 13/2 irradiated MR and RRGA fuel elements and converte 13/20 irradiated MR and RRGA fuel elements and converte 13/20 irradiated PMR fuel elements. 13/600 vitified residues from reprocessing 13/8000 unirradiated PWR fuel elements  |

| VALIDATIONS  | DESCRIPTION |
|--------------|-------------|
| AND          | AND D       |
| ES           |             |
| CERTIFICATES | CONTENTS    |
| ALL          | MACC        |
| R            | Ц           |
| 7            | Ų.          |
| TABLE 5      |             |

| DESCRIPTION LINE 2                            | cask with neutron shield between fins, with shock limiters cask with neutron shield between fins, with shock limiters two-part cask with spring suspended case for taking fuel elements two-part cask with spring suspended case for taking fuel elements two-part cask with spring suspended case for taking fuel elements two-part cask with spring suspended case for taking fuel elements two-part cask with spring suspended case for taking fuel elements two-part cask with spring suspended case for taking fuel elements cask incl. lead shield and insulation. With shock limiters two-part cask with spring suspended case for taking fuel elements two-part cask with spring suspended case for taking fuel elements   | OVERPACK FOR 30-INCH UF6 CYL.: OF MASS. 2918 KG FOR UF6 CYL-CONTEN 14-GAUGE ST.STEL CONTAINMENT VESSEL 9.5x9.5x17.5 " IN 55 GAL.DRUM ONE FACE WITH THIN (0.5 mm) WINDOW MADIOGRAPHY DEVICE WITH INNER "S" GUIDE TUBE RADIOGRAPHY DEVICE WITH INNER "S" GUIDE TUBE REMENTS OUTER WOODEN BOX WITH INNER CASK FOR TAKING FUEL ELEMENTS UNIRRAD. FUEL ASSEMBLY WITH STRONGBACK AND ADJUSTABLE CLAMP CONTAINER: Steel, Insulator: Pearlite alumina Cement STEEL ENCASED UNIT IN WOODEN CRATE. DIMENSIONS INCLUDE SKID.  CYLINDER, MULTI-WALL CONSTRUCTION WITH IMPACT LIMITERS OVERPACKS FOR IMPACT & THERMAL PROTECTION FOR TELETHERAPY HEAD FOUR TUBES HELD IN SQUARE FORWATION BY BRACKETS   |
|---|--|---|
| OUTER CASING                                  | steel  | ST.STEEL STEEL STEEL STEEL ST. STEEL ST. STEEL WOOD ST. STEEL   |
| SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 2162 5344 iron, resin 2162 5344 iron, resin 4040 1006 1050 1050 1050 1050 1050 1050 105  | 5290         885         886         6-InCH THICK FOAM           2438         1105         864         6-InCH THICK FOAM           125         125         844         120         DEPL. U.           514         224         DEPL. U.         DEPL. U.         120         DEPL. U.           550         224         DEPL. U.         120         DEPL. U.         120 <t< td=""></t<>             |
| MASS CONTENTS (Kg)                            | 86100 21 irradiated BNR fuel elements 86100 21 irradiated BNR fuel elements 873C 2 inirradiated PNR fuel elements 8300 2 inirradiated PNR fuel elements 8300 2 unirradiated PNR fuel elements 8300 2 unirradiated BNR fuel elements 8300 2 unirradiated BNR fuel elements 8370 9 irradiated BNR fuel elements 8370 9 irradiated PNR fuel elements 8370 1 unirradiated BNR fuel elements 8370 9 irradiated PNR fuel elements 8370 9 irradiated PNR fuel elements 8370 9 irradiated PNR fuel elements 8400 1 unirradiated PNR fuel elements 85 enoriginal certificate 85 enoriginal certificate 86 enoriginal certificate 86 enoriginal certificate 87 enoriginal certificate 88 enoriginal certificate 88 enoriginal certificate 88 enoriginal certificate 89 enoriginal certificate 89 enoriginal certificate 89 enoriginal certificate 89 enoriginal certificate 80 enorigina | 0 1555 0 3650 UF ENRICHED IN THE U-235 ISOTOPE: MAX. 4.1 KILOGRAM URANIUM DRUM 2 22 275 POUNDS DRY URANIUM OXIDE PELLETS. MAX. 4.1 KILOGRAM URANIUM DRUM 2 70 MBq Am-241. FOIL SOURCE 3 11 126 MAX. 100 Ci 1C-182. SFALED SOURCE 3 11 125 MAX. 100 Ci 1C-182. SFALED SOURCE 4 100 URANIUM COMPOUNDS 4 100 URANIUM COMPOUNDS 5 1340 2 UNIRRADIATED BRR FUEL ELEMENTS 8 3429 UNIRRADIATED BRR FUEL ASSEMBLIES. MAX. 5 WEIGHT % U-235 ENRICHMEN CYL. 2 210 Uranium Oxide 2 3402 UNIRRAD. PWR UOZ FUEL ASSEMBLIES. MAX. 5 WEIGHT % U-235 ENRICHMEN CYL. 2 4000 URANIUM COMPOUNDS 3 1400 URANIUM COMPOUNDS 5 1400 URANIUM COMPOUNDS 6 1400 URANIUM COMPOUNDS 7 120 UNIRRAD. PWR UOZ FUEL ASSEMBLIES. MAX. 5 WEIGHT % U-235 ENRICHMEN CYL. 2 210 Uranium Oxide 5 4400 UF to 15TBq of Ir192 OR 2.6TBq of Cs137 IN IAEA SFCs 7 14720 Up to 6.48TBq of Co60 in SFCs 7 14020 UP TO 21 PWR NUCLEAR FUEL ASSEMBLIES 7 1810 UP TO 21 PWR NUCLEAR FUEL ASSEMBLIES 7 1811 813.680 Ci Co-60 OR 2.200 Ci Cs-137 7 18BUL 7 200 UNIRRADIATED FUEL ASSEMBLIES 7 1818 13.860 Ci Co-60 OR 2.200 Ci Cs-137 7 18BUL 7 200 UNIRRADIATED FUEL ASSEMBLIES 7 1 18BUL 7 200 UNIRRADIATED FUEL ASSEMBLIES 7 1 18BUL 7 200 UNIRRADIATED FUEL ASSEMBLIES 7 1 18BUL 7 200 UNIRRADIATED FUEL ASSEMBLIES 7 20046 |
| CERTIFICATE REV<br>NUMBER NO                  |  | DK/2-0053-401 (96) DK/2-3794-401 (31) DK/3794-401 (31) DK/3794-401 (28) DK/78/5-86 E/001/B(U) E/002/AF E/033/AF E/033/AF-85 E/05/AF-85 E/05/AF-85 E/05/AF-85 E/05/B(U) E/05/AF-85 E/05/B(U) E/05/AF-85 E/093/AF-85 E/093/AF-85  |

PAGE 8 2002.08.01

| VALIDATIONS                        | DESCRIPTION |
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| CERTIFICATES                       | CONTENTS    |
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| TABLE (                            | LICI        |

|   | DESCRIPTION LINE 2                      | two-part cask with spring suspended case for taking fuel elements  CAVITY DIMENSIONS: 4521 MM LONG X 340 MM DIA: 14.5 CU.FT. VOLUME  SOURCE EST PLACE DAMS UNE ENVELOPPE ETANCHE EN ACIER INXY  COM 3 EST UN PORTE SOURCE  PRODUITS SONT EMERNED DAMS UNE ENVELOPPE ETANCHE EN ACIER INXXO  PRODUITS SONT EMERNED DAMS UNE ENVELOPPE ETANCHE EN ACIER INXXO  ROUGES SONT EMERNED SAMS UNE ENVELOPPE ETANCHE EN ACIER INXXO  CONSTI. PAR Am-241. Pu-238 ou Cm-244 FT CIBLE EN BE. B. F ou Li  SOURCE SONT SUFFERENEE DAMS UNE ENVELOPPE ETANCHE EN ACIER INXXO  CONSTI. DAR Am-241. DAMS UNE ENVELOPPE ETANCHE EN ACIER INXXO  CONSTI. DAR AM-241. DAMS ON VERRE OU UNE ENVELOPPE ETANCHE EN ACIER INXXO  CONSTI. DAR AM-241. DAMS ON VERRE OU UNE CERAMIQUE  SOURCE EST ENFERMEE DAMS UNE ENVELOPPE ETANCHE EN ACIER INXXO  SOURCE EST ENFERMEE DAMS UNE ENVELOPPE SPERIOLE EN ACIER INXXO  SOURCE EST ENVELOPPEES DAMS UNE ENVELOPPE STANCHE EN ACIER INXXO  SOURCE SONT ENVELOPPEES DAMS UNE ENVELOPPE STANCHE EN ACIER INXXO  SOURCE PLACE A L'INTERIEUR DE DEUX ENVELOPPES FTANCHES EN HASTELL  RECOUVERT d'allettes en CLIVTE  RECOUVERT d'allettes en CLIVTE  RECOUVERT D'ALLETTE  PRAPARENCE CYLINDRIQUE FIXE  DE CYLINDRIQUE DANS SA PARTIE  |
|---|---|--|
|   | L OUTER CASING                          | STEEL STEEL STEEL STEEL STEEL STEEL STEEL STSTEEL ST. STEEL ST |
| TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS<br>LISTING OF MASS. CONTENTS AND DESCRIPTION | LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 86650         480         470         LEAD         STEEL           5893         327         403         LEAD         STEEL           5893         1651         LEAD         STEEL           5893         1851         LEAD         STEEL           5893         1875         2839         s.steel. lead         MILD STEEL           580         187         2839         s.steel. lead         MILD STEEL           10         25         ST. STEEL         STEEL         STEEL           22         10         25         ST. STEEL         ST. STEEL           22         10         ST. STEEL         ST. STEEL         ST. STEEL           49         42         11         ST. STEEL         ST. STEEL           29         13         13         ST. STEEL         ST. STEEL           290         135         14         6         ST. STEEL           290         136         14         6         ST. STEEL           290         136         14         6         ST. STEEL           291         1286         29         ST. STEEL         ST. STEEL           291         1286         129         ST. STEEL  |
| TABLE 5 - FOR ALL C<br>LISTING OF MASS.   | REV MASS CONTENTS SHAPE<br>NO (Kg)      | 1 80 Up to 31.82Pa (S137 or 55.5Pa Ir192 or 7408aq Co60 IN IARA SFCS DRUM 2 3900 2 univariated PAR fuel elements 2 3900 2 univariated PAR fuel elements 0 22275 FRAD. PAR. BAR. RIGA FUEL ELEMENTS 11 2230 Mr. 6 C1: CYLINGTOE DE THULIUM KETAL 12 220 Mr. 6 C1: CYLINGTOE DE THULIUM KETAL 13 2200 Mr. 6 C1: CYLINGTOE DE THULIUM KETAL 14 220 Mr. 6 C1: CYLINGTOE DE THULIUM KETAL 15 220 Mr. 6 C1: CYLINGTOE DE THULIUM KETAL 16 Mr. 10 C1 G7-25.30 Up m-147 17 C1 S1-90. C5-137 OU Pm-147 17 C1 S1-90. C5-137 OU Pm-147 18 Mr. 10 min PORR SN2. 50C1 PMR. 50 PM. 6 C1. 18 Mr. 10 min PORR SN2. 50C1 PMR. 50 PMR. 6 C1. 18 Mr. 10 min PORR SN2. 50C1 PMR. 50 PML. 10 C1. 18 Mr. 10 min PORR SN2. 50C1 PMR. 50 PMR. 6 C1. 19 Mr. 10 min PORR SN2. 50C1 PMR. 50 PMR. 6 PM. 50 PM. 10 Mr. 10 min PORR SN2. 50C1 PMR. 50 PMR. 6 PM. 50 PM. 11 Mr. 10 min PORR SN2. 50C1 PMR. 50C1 Pm. 147 12 Mr. 11 TBR (30 C1) F1-32 PMR THE LINDTES C1. 13 Mr. 37 TBQ (100 C1) C2-33 SOUS PORME DE RAJLIQUE COLUMP. 13 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME DE RAJLIQUE COLUMP. 14 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME DE RAJLIQUE COLUMP. 15 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME DE RAJLIQUE COLUMP. 15 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 15 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 15 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 15 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 15 Mr. 37 TBQ (100 C1) C2-35 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 16 Mr. 30 TPQ (100 C1) C2-35 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 17 TBQ (20 C1) TP-120 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 18 Mr. 37 TBQ (100 C1) G-30 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 18 Mr. 37 TBQ (100 C1) TA-120 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 18 Mr. 37 TBQ (100 C1) TA-120 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 18 Mr. 37 TBQ (100 C1) TA-120 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 18 Mr. 37 TBQ (100 C1) TA-120 SOUS PORME METALLIQUE GARLINS/PASTILLES C1. 18 Mr. 37 TBQ (100 C1) TA-120 |
| PAGE 9<br>2002.08.01  | CERTIFICATE<br>NUMBER                   | E/096/B(U) E/097/B(U) E/099/IF-85 E/099/IF-85 E/009/IF-85 F/007/B(U)F-1007/B(U)F-1009/S F/007/B(U)F-1009/S F |

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| CERTIFICATES  | CONTENTS |
| AL.           | MASS     |
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| TABLE         |          |

| OUTER CASING DESCRIPTION LINE 2  | Constitu, d'une coque prot.geant un irradiateur<br>Constitu, de 2 alv.oles  | LEAD & STEEL<br>ST.STEEL<br>WOOD   | RESINE NEUTROPH<br>RESINE NEUTROPH  | ST.STEEL MOUSSE PHENOLIQ ST.STEEL ST.STEEL COMPOUND, WOOD   | STEEL, LEAD, +  | WOOD, DEPL.U + RESINE CUIVRE B ST.STEEL STEEL  |  |
|----------------------------------|---|--|---|---|---|--|--|
|                                  | WOOD  | LEAD & S<br>ST.STEEL<br>WOOD   | RESIN   | ST.STEEL MOUSSE P ST.STEEL MOUSSE P STEEL COMPOUND  | STEEL   | WOOD.<br>RESIN<br>ST.ST<br>STEEL   | STEEL  |
| DTH DIAM HGHT SHIELDING MATERIAL | 815<br>2055<br>742<br>1930<br>1160<br>1821<br>1821<br>1821<br>1821  | 650 1145 ST. STEEL<br>1930 1930 1930<br>50 403 ST. STEEL<br>2500 2650 ST. STEEL                                  | 3000 825 STEEL<br>1049 1217 STEEL<br>1049 1297 STEEL<br>1098 1310 STEEL<br>861<br>861   | 925<br>2080<br>2080<br>2080<br>2080<br>2080<br>1340<br>1350<br>1550<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>17   | 2765<br>2990 5175 STEEL   | 1231 1300 ST.STEEL<br>2990 6145 ST.STEEL<br>2882 2882<br>2800 2089 ST.STEEL<br>2800<br>2990<br>1700  | 762 STEEL 2264 6022 2264 6022 2264 6022 2264 6022 2264 6022                                    |
| ССТН МІОТН                       | 5898<br>6147<br>1520<br>3700<br>1430  |  | 6430<br>5024 10<br>5653<br>5653<br>5653   | 5223<br>5323<br>17  | 6350  | 5183<br>6010<br>6272<br>3195   | 2060   |
| SHAPE                            | CYL  CYL  CYL  CYL  CYL  CYL  PARAL.  PARAL  PARAL  PARAL  PARAL  CYL  CYL  CYL  CYL  CYL  CYL  CYL  C  | CYL<br>PARAL.<br>CYL.<br>CYL<br>CYL<br>PARAL.  | CYL<br>PARAL.<br>CYL.<br>U CYL<br>U CYL<br>CYL<br>CYL   | PARAL<br>CYL<br>CYL<br>CYL<br>CYL.<br>CYL.<br>CYL.  | CYL.  | \$\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\   | 355555   |
| REV MASS CONTENTS<br>NO (Kg)     | 101000<br>1600<br>1500<br>1500<br>3450<br>19100<br>2376<br>396<br>396<br>396<br>396<br>396  | 610<br>1600<br>13935<br>9085<br>127<br>117100<br>30000   | Ee 119000 Irradiated UD2  Bc 5450 ASSEMBLAGES COMBUSTIBLES NON IRRADIES  Aa  Aa 3810 max 100g U235 enr 93% max.sous forme UD2 et U308 et hydroxydes U CYL.  Ab 5692 Fresh MOX  Ac 5692 MOX  Ac 5692 MOX  Ac 5692 MOX  Ac 5692 Fresh MOX  Ac 56 | As 5740 PASTILLES MOX (U0 - Pu02), PASTILLES U02 ET U02 + 6d2003  Ab 5600 Fresh MOX  An 23400 Irradiated MTR  Bi 23400 Irradiated MTR  Bi 23400 Irradiated MTR  Ab 1290 UF6, U235  As 5404 U-235  As 5404 U-235  Ab 135000 U02  Bb 2580 PRECIPITES D'OXYDES ET D'HYDROXIDES D'URANIUM | Ad Bd 118000 Irradiated UO2<br>Aa Aa 106850 PASTILLES EN OXYDE D'URANIUM (UO2)<br>Ac                      | As 2115 Co-60 (F/015/S) As 133740 U02 Ac 1490 PLAQUE DE CONVERTISSEUR As 22300 Fresh MOX As 53000 Irradiated Fuel assembly As 135000 Irradiated U02 By 28807 ASEMBLAGES BMR U02 DE TYPE DODEWAARD IRRADIES C 28807 ASEMBLAGES BMR U02 DE TYPE PODEWAARD IRRADIES | 2912<br>2912<br>79766<br>78060<br>79379<br>79379   |
| S S                              |   |  |   |   |   |  | ⊢ ⊢ ⊢ ⊢  |
| CERTIFICATE<br>NUMBER            | F/25/8(U)F-85<br>F/290/8(M)F-85<br>F/290/8(U)F-85<br>F/302/8(U)F-85<br>F/311/8(U)F-85<br>F/311/8(W)F-85<br>F/313/8(W)F-85<br>F/313/8(W)F-85<br>F/323/8(U)F-85 | F/326/RU)F-85<br>F/327/RU)-85<br>F/331/RU)-85<br>F/332/RU)-85<br>F/334/RU)F-85<br>F/336/RU)F-85<br>F/343/RU)F-85 | F/344/B(U)F-85<br>F/346/B(U)F-85<br>F/347/IF-85<br>F/348/IF-85<br>F/351/B(U)F-85<br>F/352/B(U)F-85  | F/356/8(U)F-85<br>F/356/8(U)F-85<br>F/357/8(U)F-85<br>F/353/8(U)F-85<br>F/36/8(U)F-85<br>F/36/8(U)F-85<br>F/36/8(U)F-85<br>F/36/8(U)F-85<br>F/36/8(U)F-85   | F/364/B(U) - 63<br>F/365/B(U)F-85<br>F/368/B(U)F-85<br>F/368/B(U)F-85<br>F/360/B(M)F-85<br>F/360/B(M)F-85 | F/370/8(U)-85<br>F/370/8(U)-85<br>F/373/IF-85<br>F/374/8(U)F-96<br>F/377/8(U)F-85<br>F/337/8(U)F-85<br>F/334/8(W)F   | F/538/ACM)<br>F/538/ACM)<br>F/581/B(M)F T<br>F/583/B(M)F T<br>F/584/B(M)F-85<br>F/585/B(M)F-85 |

PAGE 10 2002.08.01

| VALIDATIONS  | DESCRIPTION |
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| CERTIFICATES | CONTENTS    |
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| TABLE 5 - F  | ISTING      |
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PAGE 11 2002.08.01

|                 | DESCRIPTION LINE 2                      |   | LEAD SHIELDED CASK FOR SPENT MTR FUEL SHIPMENT OPP:Stainless Steel & Phenolic form or Steel & Phenolic form *1 cask incl. lead shield and insulation. with shock limiters  |   |  | 4 STEEL TUBES WELDED TOGETHER ON A STEEL MOUNT   | LOW ENERGY PHOTON ANNULAR SOURCE LOW ENERGY PHOTON SOURCE LOW ENERGY PHOTON ANNULAR SOURCE NEUTRON PLUS GAMMA SOURCE HIGH ENERGY GAMMA LOW ENERGY PHOTON  |
|-----------------|---|---|--|---|--|--|---|
|                 | EKIAL UUIEK UASING                      | STEEL<br>ST.STEEL<br>STEEL<br>STEEL   | STEEL<br>ST.STEEL<br>ST.STEEL<br>steel   |   | MOOD   | STEEL MOOD STEEL STEEL   | 11111   |
|                 | LGIH WIDIH DIAM HGHI SHIELDING MALEKIAL | 2264<br>2264<br>2264<br>2264<br>2264<br>6605 2200<br>5070 730 432<br>1340 432<br>1340 571<br>571<br>1235 2  | 6069 2439<br>2500 1300<br>2500 1300<br>3136 1030   | 5740 1130 1059 1293<br>7030 2420<br>600 890<br>703 712 5867<br>2487 931 890<br>5251 756 780   | 310 365<br>600 890<br>2337 2420 7030<br>2560 2180 2210 STEEL<br>2560 2180 2210 STEEL<br>3430 432   | 3350 650 880 STEEL<br>3300 656 826 826<br>3350 660 850 850<br>3350 660 850 850<br>5251 812 756<br>4500 246 160<br>1170 320 1600<br>400 470 LEAD  | 001   |
| LIJING OF PROS. | MASS CUNTENTS SHAPE (Kg)                | 79766 irradiated MOX & U02 78060 irradiated MOX | 24000 UP TO 2950 TBQ OF FISSION PRODUCTS IN SPENT FUEL R.PRISM 3980 HEXAFLUGRURE D'URANIUM ENRICHI PARAL. 3980 HEXAFLUGRURE D'URANIUM ENRICHI PARAL. 24270 COMBUSTIBLES IRRADIES DE TYPE "DIDO" CYL 2277 HF6 CCC | 4700 fuel assembly UO2 4700 fuel assembly UO2 93100 irradiated UO2 215 UO2. U308. UO3 20500 MOX. UO2 irradiated fuel 7340 irradiated MOX. UO2 7340 irradiated MOX. UO2 737265 MOX UO2 774 HSQ | 21 vitrified waste CYL 215 UO2 powder CYL 215 UO2 powder CYL 4800 fule assembly 93100 irradited UO2 3970 UF6 contenu dans un cylindre 30B CYL 4919 ELEMENTS COMBUSTIBLES PROVENANT DE LA CENTRALE DE TOKAI MURA PARAL. 530 vitrified waste 530 vitrified waste CYL 12501 HF6 CYL 12501 HF6 CYL | 102 Various radioctive materials (Mo-99, I-131, Ir-192) 1830 4 VVER-440 PWR FRESH FUEL ASSEMBLIES 2066 4 VVER fresh fuel assemblies 1830 4 VVER fresh fuel assemblies 1830 2 Fresh fuel assemblies 1160 2 fresh fuel assemblies 100 2 fresh fuel assemblies 100 1 fresh fuel assemblies 21 UNIRRADIATED FUEL ASSEMBLIES 21 Up to 2 PBq of TRITIUM ADSORBED ON PYROPHORIC URANIUM 20 Un-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED DRUM 20 UN-40-21 OSTED (1727 on EE ETPG 17410) 20 7 70000 CASO IN 1640 CED UNIVERSED (1727 on EE ETPG 17410) 20 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | or of control of cool of co |
|                 | NUMBER NO                               | <b>⊢</b>  | F/636/B(U)F-85 F/638/AF-85T F/639/AF-85T F/640/B(U)F-85 F/660/X F/664/X F/664/X F/668/X F/668/X  |   | (U)F T<br>(M)-85T<br>(M)T<br>(U)F-85<br>(M)-96<br>(M)-96   | FIN/STUK/21/756/01 FIN/STUK/21/756/01 FIN/STUK/21/756/00 FIN/STUK/A621/38 FIN/STUK/A621/39 FIN/STUK/A621/39 FIN/STUK/A621/39 FIN/STUK/C621/45 FIN/STUK/C621/46 FIN/STUK/C621/46 GNOSTAK/R  |   |

| VALIDATIONS  | DESCRIPTION |
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| TABLE        | _           |

| WG DESCRIPTION LINE 2                   | LOW ENERGY PHOTON DISC LOW ENERGY PHOTON POINT SOURCE BETA SOURCE LOW ENERGY PHOTON SOURCE SETA SOURCE LOW ENERGY PHOTON SOURCE ASSEMBLY OIL WELL LOGGING SOURCE HIGH ENERGY GAMMA HIGH ENERGY GAMMA   | OIL WELL OGGING SOURCE ASSEMBLY<br>14.5ins long x 5.5ins wide x 8.5ins high |
|---|--|---|
| RIAL OUTER CASING                       | STEEL  | STEEL   |
| LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 1410<br>1410<br>1410<br>1410<br>1306 LEAD<br>710 STEEL<br>710 ST | LEAD  |
| SHAPE LGTH WIDTH                        | CAPSULE CAPSUL   | OBLONG  |
| MASS CONTENTS SH<br>(Kg)                | CS137 (XN30/0) 4.44684. Am241/Be (XN30/1). Co60 (XN30/2) 18.568q Am241 or Cm244 or Pu238 3768q Am241 Lou244. Pu238 3768q Am241. Cu244. Pu238 3768q Am241. Cu244. Pu238 3768q 1061 UNIRADIATED AGR FUEL ELPRENTS 220 UNIRADIATED AGR FUEL ELPRENTS 4000 IRRADIATED AGR FUEL ELPRENTS 5200 UP TO STENG CASTA TO ASTENG CASTA TO THE TO TO THE  | Am241/Be 740GBq<br>25 Up to 4.255 TBq of Ir192 OB                           |
| REV NO                                  |  | ഗര  |
| CERTIFICATE                             | (B) 140/5-85 (B) 143/5-85 (B) 143/5-85 (B) 143/5-85 (B) 143/5-85 (B) 143/2-85 (B) 144/6-85 (B) 134/6-85 (B) 124/6-85   | GB/267/S-85<br>GB/2685A/B(U)  |

PAGE 12 2002.08.01

| VALIDATIONS  | DESCRIPTION |
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| TABLE        | ISTING      |

PAGE 13 2002.08.01

| 6 DESCRIPTION LINE 2             | TELETHERAPY GAMMA SOURCE LOW ENERGY PHOTON OLD WELL LOGGING SOURCE 254mm long × 184mm wide × 235mm high HIGH ENERGY GAMMA GAMMA RADIOGRAPHY  | LOW ENERGY PHOTOM NEUTRON SOURCE LOW ENERGY GAMMA DISC SOURCE  | OUTER PACKAGING CONTAINING 4 × 200 litre DRUMS<br>STEEL CONTAINER CARRYING LEAD POT  | OUTER CONTAINER CONTAINING UP TO 9 PAILS DIMENSIONS FOR 48Y ARE 1220 DIA × 3810 LONG 2509 kg DIMENSIONS FOR 48Y ARE 1220 DIA × 3810 LONG 2509 kg LIGHTNING CONDUCTORS WITH AM241 FOILS ATTACHED RADIOGRAPHY PROJECTOR  |
|----------------------------------|--|--|--|--|
| L OUTER CASING                   | STEEL  | STEEL<br>STEEL<br>STEEL<br>STEEL<br>STEEL<br>STEEL   | STEEL FRAMED<br>STEEL<br>ALUMINIUM<br>STEEL<br>STEEL<br>STEEL<br>STEEL<br>STEEL  | STEEL  |
| DTH DIAM HGHT SHIELDING MATERIAL | 184 235 LEAD 220 270 STEEL 1040 1490 LEAD/DU 1040 1360 LEAD 774 STEEL 430 540 STEEL 625 700 LEAD 627 704 STEEL 627 704 S | 2180 2210 STEEL<br>2180 2210 STEEL<br>1700 724 LEAD<br>2200 STEEL<br>2410 LEAD   | 2340 1950 LEAD 2340 1950 LEAD/STEEL 2180 1640 STEEL 2180 1640 STEEL 512 458 LEAD 512 458 STEEL/TUNGSTEN 521 795 STEEL 417 546 621 880  | 1062 690 BORON<br>320 160 STEEL<br>325 405 LAD<br>325 405 LAD<br>325 405 LAD<br>325 405 TEEL<br>326 405 STEEL<br>326 405 STEEL<br>326 405 STEEL<br>326 405 STEEL<br>326 405 STEEL<br>327 405 STEEL<br>328 405 STEEL<br>329 405 STEEL<br>320 995<br>1100 1720 LAD<br>1100 1720 LAD  |
| LGТН WIDTH                       | 254<br>1876<br>2560 2.   | 2560 2<br>2560 2<br>3195 3195<br>837 4090  | 4260 23<br>2200 22<br>2200 23  | 1062 11<br>2060<br>1170 344  |
| SHAPE                            | CAPSULE CAPSULE CASKET  | CAPSULE<br>CAPSULE<br>SQUARE<br>CUBOID<br>CAPSULE<br>CAP<br>CYL<br>CYL<br>CYL<br>CYL<br>CYL  | BOX<br>BOX<br>SQUARE<br>BOX<br>ROUND<br>POT<br>DRUM<br>DRUM  | SQUARE<br>CYL<br>BOX<br>DRUM<br>DRUM<br>DRUM<br>DRUM<br>DRUM<br>DRUM   |
| REV MASS CONTENTS<br>NO (Kg)     | 4 25 4 15 25 4 4 3830 3 4763 3 3 68 53300 9 53300 9 53300 9 53300 9 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  | 4 C060 740TBq  3 Am241 3006Bq  4 49500 814 TBq OF IRRADIATED DEBRIS  4 47700 814 TBq MAXIMUM OF IRRADIATED DEBRIS  4 Am241.NBq 73CBq  4 Am241.1 TBq 73CBq  4 Am241 10 Cm244 1.85 GBq  4 Am241 10 Cm244 1.85 GBq  5 28807 IRRADIATED NUCLEAR FUEL (BMR)  5 28807 IRRADIATED NUCLEAR FUEL (BMR)  5 1127 Solid Radiouncildes in Element. Oxide. Chloride or Sulphate Form  2 74000 PWR FUEL ELEMENTS  2 74000 IRRADIATED NUCLEAR FUEL  4 Am241 10 Cm241 1.85 GBq  5 1127 Solid Radiouncildes in Element. Oxide. Chloride or Sulphate Form  6 2 74000 IRRADIATED NUCLEAR FUEL  7 0 CM TRADIATED NUCLEAR FUEL | 20040<br>23180<br>4800<br>4365<br>130<br>110<br>59   | 4 639 URANIUM HEXAFLUORIDE "HEELS" 3 785 URANIUM HEXAFLUORIDE "HEELS" 1 59 UNIRRADIATED MAGROX FUEL ELEWENTS 1 54 ENCAPSULATED GAWAM SOURCES ITJ92 20.2 TBq Se75 12 TBq 3 22 VARIOUS RADIONUCLIDES 1 24 PBq of TRITIUM ADSORBED ON 6 MBq of DU 4 RADIOMCTIVE SOLIDS various isotopes 5 80 8 GBq of Am 241 2 19 UP TO 3.4 TBq of IT 192 in IAEA SFC. 2 2770 IRRADIATED EXPERIMENTAL SAMPLES 2 1610 IRRADIATED EXPERIMENTAL SAMPLES 2 1610 IRRADIATED EXPERIMENTAL SAMPLES |
| CERTIFICATE<br>NUMBER            | GB/269/S-85 GB/271/S-85 GB/271/S-85 GB/2771/S-85 GB/2777/AB(U)-85 GB/2773A/B(U)-85 GB/2773A/B(U)-85 GB/2773A/B(U)-85 GB/273A/B(U)-85 GB/283A/B(U)-85   | (B/292/S-85<br>(B/294/S-85<br>(B/294Z) (R/N)-85<br>(B/294Z) (R/N)-85<br>(B/295/S-85<br>(B/23/S-85<br>(B/31/S-85<br>(B/31/S-85<br>(B/3170A/B(N)F-85<br>(B/3170A/B(N)F-85<br>(B/3310A/B(N)F-85<br>(B/3310A/B(N)F-85<br>(B/3310A/B(N)F-85<br>(B/3310A/B(N)F-85<br>(B/3310A/B(N)F-85   | (BV 3368T/B(U)F<br>(BV 3368W/B(W)F-85<br>(BV 3390A/B(U)F-85<br>(BV 3390A/B(U)-85<br>(BV 3405D/B(U)-85<br>(BV 3405D/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85<br>(BV 3415A/B(U)-85 | 68/35/64/8-65<br>68/35/64/8-65<br>68/35/34/1F-85<br>68/36/65/8(U)-85<br>68/36/65/8(U)-85<br>68/36/65/8(U)-85<br>68/36/65/8(U)-85<br>68/36/65/8(U)-85<br>68/36/8(U)-85<br>68/37/65/8(U)-85<br>68/37/65/8(U)-85<br>68/37/65/8(U)-85<br>68/37/65/8(U)-85<br>68/37/65/8(U)-85<br>68/37/65/8(U)-85<br>68/37/65/8(U)-85  |

| VALIDATIONS  | DESCRIPTION |
|--------------|-------------|
| a            | E           |
|              | AND<br>W    |
| CERTIFICATES | CONTENTS    |
| . ALL        | MASS        |
| E<br>E       | Ы           |
| TABLE 5 -    | LISTING     |
|              |             |

| DESCRIPTION LINE 2                      |  | LOW ENERGY PHOTON POINT SOURCE LOW ENERGY PHOTON POINT SOURCE NEUTRON LINE SOURCE LOW ENERGY PHOTON POINT SOURCE LOW ENERGY PHOTON SOURCE | MORE SERIAL NUMBERS: 009, 010, 012, 014, 031 | Co-60 SOLID, ENCAPSULATED IN DOUBLE ST.STEEL CAPSULES or SP.FORM<br>MORE SERIAL NUMBERS: 034, 038-045 | MORE SERIAL NUMBERS: 029-033, 035-037  | STAINLESS STEEL<br>STAINLESS STEEL   | SHIELD: TUNGSTEN SPHERE, DIAMETER: 110 mm<br>SOLID, METAL  | RADIOGRAPHY DEVICE RADIOGRAPHY DEVICE STEEL CUM MODGEN CRATE HOUSING LEAD FLASK IN ST.STEEL SHELL STEEL CUM MODGEN CRATE HOUSING LEAD FLASK IN ST. STEEL SHELL STEEL CUM MODGEN CRATE HOUSING LEAD FLASK IN ST. STEEL SHELL TRANSP. CONTAINER CONSTRUCTED OF LEAD CONTAINED IN ST.STEEL SHELL A STEEL CUM MODGEN CRETE HOUSING THE FLASK CONSTRUCTED FROM LEAD C A STEEL CUM MODGEN CRETE HOUSING THE FLASK CONSTRUCTED FROM LEAD C A STEEL CUM MODGEN CRETE HOUSING THE FLASK CONSTRUCTED FROM LEAD C LEAD-FILLED CASK WITH MILD STEEL SHELL FOR CO-60 PELLETS |
|---|--|---|--|---|--|--|--|---|
| AL OUTER CASING                         | S/STEEL S/STEEL S/STEEL S/STEEL  |   | ST.STEEL                                     | ST.STEEL ST.STEEL ST.STEEL ST.STEEL STRUCT. STEEL   | STRUCT. STEEL STRUCT. STEEL STRUCT. STEEL STRUCT. STEEL  |  | ST. STEEL<br>ST. STEEL<br>ST. STEEL<br>ST. STEEL   | ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL MILD STEEL MILD STEEL   |
| LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 1100 1720 LEAD<br>1100 1720 LEAD<br>1100 1720 LEAD<br>610 880  |   | 42   | $\vdash$  | 360 285 LEAD<br>360 285 TUNGSTEN<br>360 285 TUNGSTEN<br>360 360 180  |  | 030 350 LEAU<br>135 246 TUNGSTEN<br>16 21<br>14 90   | 21  |
| SHAPE                                   | CAPSULE CAPSUL | CAPSULE<br>CAPSULE  | SPECIAL FORM CYL.                            | CYL SPECIAL FORM CYL. CYL. SPECIAL FORM CYL.  | CYL.<br>CYL.   | CYL.<br>CYL.<br>CYL.<br>CYL.<br>CYL.   | CYL.  CYL.  CYL.  CYL.  CYL.   | CYL. CYL. CYL. CYL. CUBOID PARAL. CUBOID PARAL. R. BOX BOX BOX BOX BOX COMMAN BOX BOX BOX BOX BOX   |
| / MASS CONTENTS<br>(Kg)                 | 2 3500 IRRADIATED EXPERIMENTAL SAMPLES 2 2310 IRRADIATED EXPERIMENTAL SAMPLES 3 30 IRRADIATED EXPERIMENTAL SAMPLES 3 0. IRRADIATED EXPERIMENTAL SAMPLES 3 0. IRRADIATED EXPERIMENTAL SAMPLES 3 0. AMAZ11 11889, CUZ44 37G89 4 0. AMAZ11 26 G89 4 0. AMAZ11 26 G89 4 0. AMAZ11 E 740 G89 4 0. AMAZ11 E 740 G89 5 0. AMAZ1 E 740 G89 5 0. AMAZ1 E 740 G89 5 0. AMAZ1 E 740 G89 6 0. AMAZ1 E 740 G89 7 |   | 220  | 4   | 0 68 1.5 HG 1r-192 SOLID. SPECIAL FORM 1 59 MAX. 3.7 TBG 1r-192 SOLID. SPECIAL FORM 0 59 3.7 TBG 1r-192 SOLID. SPECIAL FORM 1 74 MAX 1 5 TBG 1r-102 SOLID SPECIAL FORM | 65 3.7 TBQ IT-125 SOLID. WETAL 1625 MAX. 481 TBQ (13 KC1) CO-60 1 1830 4 FUEL ASSEMBLIES WMR-440 1 MAX. 111 TBQ IT-192 SOLID. METAL 1 MAX. 55.5 GBQ CO-60 SOLID. METAL 0 1820 444 TBQ CO-60 SOLID. METAL 0 565 TBQ IT-192 SOLID. METAL | 0 100.0 MAX, 4441BQ 1,401BQ/Chaminei) U000 UK 808.1DQ (2901BQ/Chaminei) U313/ 0 19 MAX, 1.5 TBQ 11-192 SOLID, SPECIAL FORM 0 10 MAX, 30 GBQ Am-241. Be ALLOY 0 MAX 5 TBC (157, Cs-137, MITAL ALI 10 FINABSHI ATFN DOWNER | 21<br>3600<br>3600<br>5500<br>6500<br>5000<br>3000<br>5360<br>4800  |
| CERTIFICATE REV<br>NUMBER NO            | (BV 3705D/R(U)F-85 (BV 3705E/R(U)F-85 (BV 3705E/R(U)F-85 (BV 384/S-85 (BV 384/S-85 (BV 389/S-85  |   | -85  |   | H/022/B(U)-96 U<br>H/023/B(U)-85 1<br>H/023/B(U)-96 0  | 10   | H/074/B(U)-85 0<br>H/074/B(U)-85 0<br>H/075/S-85 0   | J)-85<br>J)-85<br>J)-85<br>J)T-85<br>J)<br>T-85   |

PAGE 14 2002.08.01

|   | DESCRIPTION LINE 2           | CONTENTS IN "S" TUBE IN LEAD-FILLED 3 mm THICK CARBON OUTER CASING STEL CUM WOODEN HOUSING FLASK CONSTRUCTED FROM LEAD CONTAINED IN PACKAGING: STAINLESS STEEL  PACKAGING: STAINLESS STEEL  SHELDING MATERIAL: LEAD. ETHYLENE GLYCOL SOLUTION SHIELDING MATERIAL: STAINLESS STEEL OUTER SHELL AND INNER SHELL: STAINLESS STEEL OUTER SHELL AND INNER SHELL: STAINLESS STEEL OUTER SHELL AND INNER SHELL: STAINLESS STEEL   |
|---|------------------------------|--|
|   | L OUTER CASING               | STEEL  |
| ALIDATIONS<br>{IPTION   | HGHT SHIELDING MATERIAL      | 275 LEAD 11780 LEAD 1180 LEAD 1180 LEAD 1180 Mater 1180 |
| TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS<br>LISTING OF MASS, CONTENTS AND DESCRIPTION | LGTH WIDTH DIAM              | 375         250           375         250           375         250           5934         120           5615         250           6150         250           6150         250           6150         250           6269         2362           6269         2362           6269         2362           6150         2362           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         2486           6150         250           6200         250           6200         230           6200         230           6200         230           6200         230           6200         23   |
| FOR ALL G<br>3 OF MASS,   | SHAPE                        | \$\$\$\$5555555555555555555555555555555555   |
| TABLE 5 -   | REV MASS CONTENTS<br>NO (Kg) | 3 7 1.3 TBq (35 C1) IT-192 SOLID, METALLIC FORM GAME (13 TBq (35 C1) IT-192 SOLID, METALLIC FORM GAME (12000C1) Co-60 IN SOLID METALLIC FORM GAME (12000C1) Spent Fuel Assemblies (PMR) (12000C1) Spent Fuel Assemblies (BMR) (12000C1) Spen |
| PAGE 15<br>2002.08.01   | CERTIFICATE R<br>NUMBER N    | IND/11/8(W)-85<br>IND/11/8(U)-85<br>J/10/AF-85<br>J/101/8(W)F-85<br>J/1013/8(W)F-85<br>J/1013/8(W)F-85<br>J/1013/8(W)F-85<br>J/1013/8(W)F-85<br>J/1013/8(W)F-85<br>J/1013/8(W)F-85<br>J/102/8(W)F-85<br>J/102/8(W)F-85<br>J/102/8(W)F-85<br>J/102/8(W)F-85<br>J/102/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85<br>J/103/8(W)F-85   |

| BESCRIPTION LINE 2                      | Outer shell:Stainless steel *1 PRIMARY AND SECONDARY CONTAINMENT VESSEL: STAINLESS STEE1 Outer SHELL AND INNER SHELL: MILD STEEL             | OPP: Stainless Steel and Phenolic foam Cylinder: Steel Main Body: Stainless Inner: Carbon Steel FOR TRANSPORT OF UNIRRAD. LOW-ENRICHED URANIUM OXIDE POWDER   | URANIUM OXIDE FUEL ASSEMBLY  WAS CYLINDER. WALVE PROTECTOR AND RESISTANCE CAP Cylinder.Carbon Steel. Outer Protective Overpack:Mild Steel OUTER STRUCTURAL OR STAINLESS STEEL OPP:Stainless Steel & Phenolic foam | Main Material:Mild Steel<br>SHIELDING MATERIAL: LEAD & ETHYLENE GLYCOL SOLUTION     | Main Material: Low Carbon Steel Steel, Pearlite-Alumina cement CONTAINMENT VESSEL, STORAGE VEESEL & OUTER SHELL: STAINLESS STEEL OUTER SHELL AND INNER SHELL: STAINLESS STEEL Stainless Steel, Balsa Wood OUTER SHELL AND INNER SHELL: STAINLESS STEEL OUTER SHELL AND INNER SHELL: STAINLESS STEEL   | DIAM, VARIES AND WOOLES BETWEEN 127 AND 1220 mm ONLY PARTIAL APPROVAL. SEC CERT. FOR DETAILS!  OVERPACK FOR 30-INCH UF6 CYL: OF MASS. 2918 KG FOR UF6CYL+CONTENTS  3400mm long x 1900mm wide x 1500mm high  THERMALLY INSULATED RT CYLINDER IN OUTER DRUM. HT INCLUDES SKID  OVERPACK FOR 30-INCH ENRICHED UF6 CYLINDERS  CENTRAL CAVITY DIM.: 83mm LONG X 57mm DIA.: MOUNTED ON STEEL SKID | 3400mm long $\times$ 1900mm wide $\times$ 1500mm high INNER CONTAINER: WOOD OUTER CONTAINER: WOOD INSERTS, STEEL ENCASED INNER. |
|---|--|---|---|---|---|---|---|
| AL OUTER CASING                         |  | ST. STEEL   | ST. STEEL STEEL ST.STEEL ST.STEEL WOOD STEEL STEEL STEEL  | CARBON STEEL STEEL ST. STEEL STEEL STEEL MILD STEEL ST. STEEL                       | STEEL STEEL STEEL STEEL ST. STEEL ST. STEEL ST. STEEL ST. STEEL ST. STEEL   | STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL   | STEEL   |
| LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 740<br>1100<br>1100<br>733   | 3960 570 871.5TEEL 3960 570 570 MLD STEEL 2500 1300 1300 2500 1300 1300 2500 1300 1300 2500 1300 1300 2500 1300 1300 1300 1300 1300 1300 131140 1340 1340 1340 1340   | 4170<br>2000<br>2060<br>840<br>1400<br>1300<br>1300   | 5300 830 600 1600<br>5800 1500 820<br>5904 2270<br>1300 940 1100<br>5300 850 630    | 25904 2270 LEAD 880 610 STEEL 1900 900 LEAD 610 880 STEEL 5900 2300 LEAD 2000 1500 ST.STEEL 620 1200 Not Applicable 3270 1400 1400 LEAD 3270 1400 1400 LEAD   | 1700<br>1220<br>1108<br>1105<br>1900<br>602<br>1108<br>1108   | 5260 810 840<br>457 518 PB  |
| SHAPE                                   | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$   | CYL.<br>CYL.<br>CYL.<br>CYL.<br>BOX<br>BOX<br>DRUM  | CYL.<br>CYL.<br>CYL.<br>CYL.<br>CYL.<br>CYL.<br>CYL.  | CYL.<br>R.PRISM<br>CYL.<br>CYL.<br>R.PRISM<br>R.PRISM<br>CYL.                       |   |   | BOX<br>DRUM   |
| / MASS CONTENTS<br>(Kg)                 | 115000 SPENT<br>84000 SPENT<br>82000 SPENT<br>7500 MAX.<br>1490 Urani<br>393 Pu, L<br>393 MAX.<br>393 Pu, L                                  | 0 1850 MAX. 810 TBQ MTR TYPE SPENT FUEL ASSENBILES 1 710 MAX. 1.591 PBQ U/PU MIXED OXIDE FUEL. OR URANIUM OXIDE FUEL 2 3980 MAX. 0.58 UF6 3980 Unantum fluoride 0.58TBq(Max) 2 3980 Unantum fluoride 0.58TBq(Max) 2 3980 MAX. 0.58 TBQ REPROCESSED UF6 SOLID 1490 MAX. 3.6.6 GBQ URANIUM OXIDE FUEL RODS 0 1490 MAX. 3.6.6 GBQ URANIUM OXIDE FUEL RODS 0 18500 MAX. 3.5.9 BBQ 0 1302 MAX. 63.880 (594 KG2), URANIUM OXIDE PUEL RODS | 4170<br>18500<br>1500<br>1300<br>15640<br>3980<br>3980  | ~   | 0 82000 SHRIN FUEL ASSEMBLIES (BMK) 1 20 URAN. 8.71 GBQ UEANLIUM OXIDE. SOLLID. 1 210 MAX. 8.71 GBQ UEANLIUM OXIDE SOLLID. 1 1100 3.7 PBQ PUO2. UO2. PUO2-UO2. OR PUO2-UO2-Americium. 1 206 MAX. 6.60 GBQ UO2. 2 80000 74.7 PBQ SPENT FUEL ASSEMBLIES (ATR) 2 11500 0 450 TRITIUM 9.25PBQ 2 11000 2.03 PBQ U/PU MIXED OXIDE FUEL, RADIOACTIVE STAINLESS STEEL. 3 8600 MAY. 7 30 BDQ U/PU MIXED OXIDE FUEL, RADIOACTIVE STAINLESS STEEL. | 28807<br>28807<br>4000<br>3636<br>3590<br>14720<br>14020<br>1382<br>3955<br>50<br>186   | 14020   |
| REV<br>NO                               | 4 % 0 0 0 0 0 0 0 0 0  | 0 1 18 10 00 00 00 00 00 00 00 00 00 00 00 00   | 322020100   |   | 770771111   | 2 8 9 1 1 9 9 8 9 1 1 9 9 9 1 1 1 1 1 1 1   | 1 1 4   |
| CERTIFICATE<br>NUMBER                   | J/139/B(M)F-85<br>J/140/B(M)F-85<br>J/141/B(M)F-85<br>J/142/B(U)F-85<br>J/146/B(U)F-85<br>J/146/B(U)F-85<br>J/147/B(U)F-85<br>J/149/B(W)F-95 | J/150/8(U)F-85<br>J/151/8(W)F-85<br>J/154/8(M)F-85<br>J/156/AF-85<br>J/156/AF-86<br>J/156/AF-96<br>J/157/8(U)F-85<br>J/158/AF-96  | J/159/AF-85<br>J/162/B(U)F-85<br>J/162/B(U)F-85<br>J/200/AF-86<br>J/2002/H(U)-96<br>J/2002/H(U)-96<br>J/20/AF-85<br>J/27/AF-85  | J/35/AF-85<br>J/37/AF-85<br>J/42/B(M)F-85<br>J/57/AF-85<br>J/58/AF-85<br>J/68/AF-85 | J/68/8(M)-85<br>J/73/AF-85<br>J/75/R(U)F-85<br>J/79/AF-85<br>J/81/R(M)-85<br>J/81/R(M)-85<br>J/82/R(M)-85<br>J/847/R(U)-85<br>J/847/R(U)-85<br>J/87/R(U)-85<br>J/87/R(U)-85<br>J/87/R(U)-85<br>J/87/R(U)-85   | NL/0001/8(M)F<br>NL/0003/AF<br>NL/0056/AF<br>NL/0068/E(U)-85<br>NL/0093/E(U)-85<br>NL/0105/E(U)-85<br>NL/0105/E(U)-85<br>NL/0103/E(U)-85<br>NL/0103/E(U)-85<br>NL/0103/E(U)-85<br>NL/0103/E(U)-85   | NL/0135/B(U)<br>NL/0136/AF-85<br>NL/0138/B(U)   |

PAGE 16 2002.08.01

PAGE 17 2002.08.01

| DESCRIPTION LINE 2                      | STEEL ENCASED INNER IN A WOOD LINED OUTER DRUM. cast iron Nodular cast iron cask with two lid system. with shock limiters  | OPP:Stainless Steel & Phenolic form or Steel & Phenolic form *1<br>RESTRICTED TO 17x17 TYPE FUEL ASSEMBLIES (SEE CERT. FOR DETAILS)<br>SHIPMENT OF IRRAD. FUEL FROM EPZ Borssele TO COGEMA La Hague                | TRANSPORT OF IRRAD. FUEL FROM HFR (Petten) TO U.S.A.                         | FOR SHIPPING UNIRRAD. FUEL FROM ANF (Lingen) to EPZ (Borssele) Inner cask with lead, Outer cask with wood TOTAL LENGTH 48X: 3016.25mm, 48Y: 3803.65mm dia 0.625m x height 0.7m  | UNIRRAD. FUEL ASSEMBLY WITH STRONGBACK AND ADJUSTABLE CLAMP DIM. OF TWO CAPSULES HB and YA DIFFER  LINEAR SOURCE. LENGTH DEPENDS ON TYPE OF SOURCE METAL PELLETS IN DOUBLE CARSULE TYPE HB/HK MASS OF F-112: 61 kg, MASS OF F-113: 98 kg STEEL ENCASED INNER CONTAINED IN WOOD-LINED DRUM  OUTER: 250 11 STEEL DRUM: INNER: 56 11 CAST IRON CYL.  BECTAL FORM T.1.G. WELDED OUGLE ENCAPS.: LENGTH 290 or 223 mm. DIA 9.65 mm DIM. (mm.): RM-LID: 6.35 DIA. x 23 HIGH. RM-19: 4.7 DIA. x 10 HIGH T.1.G. WELDED DOUBLE ENCAPSULATION, INDUSTRIAL SOURCE T.1.G. WELDED SOURCE FOR MOUSING FORM TOORLS HOUSES HOUSEN FORM YOUNTAINER FOR HELTHREAPY COBALT SOURCES OUTER CYL: 8 LI STEEL DRUM: DOUBLE ENCAPSULATION MAIN BOOK: LEAD-FILLED STEEL-ENCASED CYL. ASSEMBLY W/EXTERNAL FINS SHIPPING CONTAINER FOR TELETHERAPY COBALT SOURCES OUTER CYL: 8 LI STEEL DRUM: DOUBLE ENCAPSULATION MAIN BOOK: LEAD-FILLED STEEL-ENCASED CYL. ASSEMBLY W/EXTERNAL FINS SHIPPING CONTAINER FOR TELETHERAPY COBALT SOURCES OUTER CYL: 8 LI STEEL DRUM: DOUGLE ENCASED ATTHERAPY COBALT SOURCES LIGHT CONCRETE AS THERMAL INSULATION BET. INNER 8 OUTER CONTAINER   |
|---|--|--|--|---|--|
| .IAL OUTER CASING                       | STEEL<br>STEEL<br>nod. cast iror<br>STEEL<br>STEEL   | STEEL<br>STEEL   | STEEL  | MILD STEEL<br>steel<br>AM ST.STEEL<br>steel<br>STEEL  | STEEL STEEL STEEL STEEL STEEL STEEL ST. STEEL STEEL ST. STEEL  |
| LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 1855 1120 LEAD<br>600 600 1821 ron<br>1430 1831 ron<br>1040 1250 LEAD/STE<br>1062 1062 699 BOROM   | 2500 1300 1300<br>1130 528 664 LEAD  | 5893 1651 LEAD   | 4600 986 787 6-INCH THICK FOAM 730 1300 lead 1040 1490 LEAD/DU 1220   | 5740 1130 ST.STEEL  4 6 6 8 6 6 6 8 6 6 6 6 6 6 6 6 6 6 6 6  |
| MASS CONTENTS SHAPE (Kg)                | 122 37 TBq Mo99 + DECAY PRODUCTS. 1131 37 TBq IN LIQUID. Ir192 SOLID. DRUM 7500 max. 40.4 9 U enrichi 93% d'U235 396 Poudre d'oxyde de Pu ou d'U ou U02+Pu02. Lingots de Pu ou U PARAL. 15170 irradiated fuel elements of research reactors CYI. 2620 Up 70 555 PBq OF Co60 OR 185 TBq OF Cs137. CYIN 693 UNIRRADIATED U022 POWDER | 0 3980 Uranium Hexafluoride 245GBQ(MAX) Cyl. 25 2 UNIRAD. PAR UOZ FUEL ASSEMBLIES, MAX. 5 WEIGHT % U-235 ENRICHMEN CYL. 0 434 Up to 150TPQ C5137 or 4.5TBq Co60 or 550GBq Sb124 orl.5TBq Raz26 ROUND 1 IRRAD. FUEL | 23273 ONLY CONTENTS LISTED IN 5.(b)(1)(iv) of USA/9225/B(U)F-85 Rev. 22 CYL. | 82 VARIOUS RADIONUCLIDES IN LIQUID OR SOLID FORM GA00 2 inirradiated PAR fuel elements cuboid 3400 2 inirradiated PAR fuel elements CYL. 3636 UF6 ENRICHED IN THE U-236 ISOTOPE CYL. 2000 Co-66.Cs-137:630 TBq. S.F. CYL. 3980 UP TG 5.55 PBq of Co 60 or 18.3 PBq of Cs 137 CYLIND SQLID CAT 200. FISSILE EXCEPTED OR NON-FISSILE UF6 CYL. 182 AMERICIUM PLUTONIUM THORIUM AND URANIUM | 1100   FRESH NUCLEAR FUEL AS PER DATA IN THE USA CERTIFICATE   |
| CERTIFICATE REV NUMBER NO               | NL/0140/B(U)<br>NL/0152/B(U)F-85<br>NL/0157/B(U)F-85<br>NL/0159/B(U)F-85<br>NL/0168/AF-85  | NL/01348U)-85<br>NL/0175/AF-85<br>NL/0176/AF<br>NL/0177/8(U)<br>NL/0178/E(U)F-85<br>NL/0178/AF-86  | NL/0184/X-85<br>NL/0185/B(U)F-85   | 0.0.00.00   | NL/ 1825/H NL/ 1825/H NL/ 1825/H NL/ 1825/H NL/ 1802/AF NL/ 1002/AF NL/ 10002/AF NL/ 10007/S-96 NL/ 10007/S-96 NL/ 10013/S-96 NL/ 1002/S-85 NL/ 10 |

| 3 DESCRIPTION LINE 2                          | SHIPPING TRANSFER CASE PACKAGE FOR TELETHERAPY SOURCES CONSISTS OF SECURITY TARE AND STAND GLASS CAPSULE IN THE STELL CASE GLASS CAPSULE IN THE STELL CAPSULE HAS NEST FOR GAMAN DEFECTOSCOPE DOUBLE SEALED STEEL CAPSULE: NEUTRON SOURCE ON CF-252 BASE DIMENSION VARY. SEE CERT.: SEALED STEEL CAPSULE. NEUTRON SOURCE ON STEEL CAPSULE   | DIM. WARY: LENGTH 40-100, DIAM. 8-20 CONSISTS OF SECURTY TARE AND PROTECTION CONTAINER SEALED STEEL CAPSULE WITH RADIOACTIVE MATERIAL. DIMENSIONS VARY SEALED STEEL CAPSULE WITH METAL RADIOACTIVE MATERIAL. FOR e14.175.015-01 DIM.: 865x865x765 MASS: 60 kg TWIN CAPSULE. A TIGHT CONSTRUCTION DIMENSIONS VARY. SEE CERT.: SEALED DOUBLE STEEL CAPSULE   | DIMENSIONS VARY. SEE CERT.: sealed steel or double steel capsule DIMENSIONS AND PACKAGE MASS VARY. SEE CERTIFICATE  INNER STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD  SEALED STEEL CAPSULE WITH METAL RADIOACTIVE MATERIAL  CONSISTS OF PROTECTIVE CONTAINER KIT.80 AND SECURITY TARE UHIB-80 INNER STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD  INNER STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD  ON YET STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD | INURE STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD GLASS AMPULES INNER STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD INNER STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD INNER STEEL SHIELDING CONTAINER WITH LEAD AS SHIELD CONSISTS OF PROTECTIVE CONTAINER WITH LEAD AS SHIELD INNER STEEL SHIELDING CONTAINER WITH DEPL. URANIUM AS SHIELD SEALED DOUBLE STEEL CAPSULE WITH RADIOACTIVE WATERIAL THE CYN HORPE RROM I FAIR AS ASTIELD THE CYN HORPE RROM I FAIR AS ASTIELD THE CYN HORPE RROM I FAIR AS ASTIELD THE CAN HORPE RROW I FAIR ASSIELD RROW I FAIR ASSIELD THE CAN HORPE RROW I F | SHIEDING CONTAINER & GURAD PACKING CONSISTS OF PROTECTIVE CONTAINER "KT-K" AND SECURITY TARE STEEL BOX CONSISTS OF RELOADED CONTAINER, TROLLEY AND SECURITY TARE CONSISTS OF SHIELDED BOX ON A CART AND GUARD COVER CONSISTS OF SHIELDED BOX ON A CART AND GUARD COVER CONSISTS OF RELOADED CONTAINER "KP-1" AND SECURITY TARE CONSISTS OF RELOADED CONTAINER "KP-1" AND SECURITY TARE CONSISTS OF RELOADED CONTAINER "KTI-1 AND SECURITY TARE SEALED STEEL CAPSULE STEEL CAPSULE IGHT STEEL CAPSULE IGH |
|---|---|--|---|--|--|
| RIAL OUTER CASING                             | STEEL ST. STEEL STEEL ST. STEEL ST. STEEL ST. STEEL ST. STEEL   |  |   | STEEL  | STEEL<br>STEEL<br>ST. STEEL<br>ST. STEEL<br>ST. STEEL<br>STEEL<br>STEEL<br>STEEL   |
| SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | STEEL CAPSU PARALL. 10108 73 1156 Pb.STEEL HAN 231.3TB CYL 600 610 610 CAPSULE 24 91 CAPSULE 24 91 PARAL. 650 645 450 DEPL. U CYL. 35 1 CYL. 35 1 CYL. 560 CYL 560 CYL  | CYL. 350 280 390 CYL. CYL. 350 280 CYL. CYL. 2 16 DRUM 1040 1490 CYL. 655 490 CYL. 10 13 CYL. 10 13 CYL. 51 57 CYL.  | CYL. 1079 12EC 12C 12C 12C 12C 12C 12C 12C 12C 12C 12   | PARAL. 1020 895 1100 LEAD CYL. 650 625 792 LEAD CYL. 886 715 884 LEAD CYL. 430 540 PARAL. 892 350 350 STEEL PARAL. 295 270 250 DEPU CYL. 35 81 STEEL   | L. 1256 1100 1257 1175<br>L. 1256 1100 1260 1260<br>L. 1300 1250 1260<br>L. 1300 1000 1260 1260<br>L. 1300 1000 1260 1260<br>L. 1300 1000 1260 1260<br>L. 1020 895 644 754<br>L. 1020 895 640 730<br>L. 2200 2200 1360 1360  |
| MASS CONTENTS<br>(Kg)                         | 1930 UP TO 555 TBQ CO-60 IN SPECIAL FORM. IN DOUBLY ENCAPS. 100 EMITTERS "RITEG-238-5.5/3.5-5.5/3.5-HCBU-HO" NOT MORE T<br>RADIOACTIVE MATERIAL RADIOACTIVE MATERIAL 310 NOT MORE THAN 4210 GBQ CC-262 OR 10MBq Cm-248 FROM 12 MBq to 0.9 GBQ CF-252 OR 10MBq Cm-248 FROM 12 MBq to 0.9 GBQ CF-252 IN SOLID FORM UP TO 1500 CT IT-192 750000 150K71 SC-30 OR 9-2907 30K71 CO-60 655K71 Bu-106 OR 8P | 1 100 NOT MORE THAN 14.8 TBq Ir-192 1 100 NOT MORE THAN 14.8 TBq Ir-192 2 Co-60: 105 MBq for GK60M11 and 115 MBq for GK60M12 1 136000 200C1 MB-99, 100C1; I-131, 135C1 CS-137, 50C1 Am-241 1 FROM 20 MBq TO 35 MBq Co-60 IN SQLID FORM 1 3980 Up to 5.55BPq of Co60 in SFCs 6 NOT MORE THAN 98.3 TBq Pu-238 FOR RITEG-238-3/7 1 FROM 12 GBq TO 12 TBq Pu-238 IN POWDER FORM 1 FROM 12 GBq TO 12 TBq Am-241 IN POWDER FORM 2000 Up to 5.55BPq of Co60 in SFCs | 90000<br>250<br>250<br>520<br>520   | 2380<br>4600<br>660<br>1020<br>126<br>16500<br>50  |  |
| CERTIFICATE REV<br>NUMBER NO                  | RA/3553/B(U) RU/001N/C-96 11 RU/002N/S 2 RU/003N/B(U)-85 2 RU/005N/S 2 RU/005N/S 2 RU/003N/S 1  |  | (U) -85<br>A-85<br>(U) -85<br>B(U) -85<br>(U) -85<br>(U) -85  | (U) -85<br>(U) -85<br>(U) -85<br>(U) -85<br>(U) -85  | 85 88 88 88 88 88 88 88 88 88 88 88 88 8   |

PAGE 18 2002.08.01

PAGE 19 2002.08.01

| SING DESCRIPTION LINE 2                 | CONSISTS OF PROTECTIVE COVER AND SECURITY TARE RAD. HEAD OF GAMMA-DEFECTOSCOPE TYPE AS GAMMARID-192 DOUBLE HERMFITCALLY CAPSULE STEEL CASK FILLED WITH WATER OR INERT GAS STEEL CASK FILLED WITH WATER OR INERT GAS STEEL CASK FILLED WITH WATER OR INERT GAS GUARD PACKING & SHIELDING CONTAINER, SECURITY TARE AND TROLLEY GUARD PACKING, SHIELDING CONTAINER, SECURITY TARE O924 CONSISTS OF PROTECTIVE CONTAINER, PRULING SECURITY TOWAINER STEEL CASK FILLED WITH INERT GAS, FUEL IN A BASKET STEEL CASK FILLED WITH INERT GAS, FUEL IN A BASKET STEEL CASK FILLED WITH INERT GAS, FUEL IN A BASKET STEEL CASK FILLED WITH INERT GAS, FUEL IN A BASKET STEEL CASK FILLED WITH INERT GAS, FUEL IN BASKET STEEL CASK FILLED WITH INERT GAS, FUEL IN BASKET GUARD PACKING & SHIELDING CONTAINER STEALED CASCULE WITH RADIOACTIVE MATERIAL CONSISTS OF RELOADED CONTAINER K3-1 AND SECURITY TARE UH-1   | SEALED STEEL CAPSULE: DIM:: 0.8 mm DIA x 5.4 mm LONG STEEL CASK FILLED WITH INERT GAS. SFAS IN BASKET OF BORATED STEEL STEEL CASK FILLED WITH INERT GAS OR AIR STEEL CASK FILLED WITH INERT GAS OR AIR STEEL CASK FILLED WITH INERT GAS OR AIR SEALED DOUBLE STEEL CAPSULE. DIMENSIONS WARY SEE CERT FOR DETAILS SEALED DOUBLE STEEL CAPSULE WITH RADIOACTIVE MATERIAL STEEL CASK FILLED WITH INERT GAS OR AIR STEEL CASK FILLED WITH INERT GAS OR AIR | DOUBLE STEEL SEALED CAPSULE FOR CARRIAGE SRS AND RADIOACTIVE PREPARATIONS IN PRIMARY PACKING HEIGHT: 11.7 or 13.7 mm DIA.: 6 or 9 mm STEEL CASK FILLED WITH INRT GAS OR AIR STEEL CASK FILLED WITH INRT GAS OR AIR THE TIGHT CAPSULE FROM STEEL OR TITANIUM ALLOY   | THE CAPSULE FROM STEEL STEEL CASK FILLED WITH INERT GAS OR AIR STEEL CASK FILLED WITH INERT GAS OR AIR STEEL CASK FILLED WITH INERT GAS OR AIR CONSISTS OF SECURITY TARE: PROTECTIVE COVER STEEL CASK FILLED WITH INERT GAS OR AIR CONSISTS OF PROTECTIVE CONTAINER 5-5606.300) AND SECURITY TARE DOUBLE CASK FILLED WITH INERT GAS  | CONSISTS OF HERMEITCALL BOX AND SECURITY TAKE THE CAPSULE FROM A STEEL HANDSET GLASS VESSEL 10 CUBES: LOCATED IN THE LEADEN CONTAINER CONSISTS OF GUARD COVER AND SHIELDED CYLINDER CONSISTS OF GUARD COVER AND SHIELDED CYLINDERS WELDED MITALLIC BODY CONSISTS OF VERTICAL TUBES. FLANGES AND BANDS STEEL CAPSULE MITH COVER CONSISTS OF PROTECTIVE CONTAINER "KT1-7" AND SECURITY TARE SNA CONSISTS OF OUTSIDE AND INTERNAL METAL AMPOULES CONSISTS OF SECURITY TARE AND PROTECTIVE CONTAINER   |
|---|--|--|---|--|--|
| L OUTER CASING                          | STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL  | STEEL ST.STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL   | STEEL<br>STEEL<br>STEEL<br>STEEL<br>STEEL<br>STEEL  | STEEL<br>STEEL<br>STEEL<br>STEEL<br>COPPER<br>STEEL  | STEEL<br>LEAD<br>STEEL<br>STEEL<br>STEEL<br>STEEL<br>METAL<br>STEEL  |
| LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 110 170 170 170 170 170 170 170 170 170  | 298<br>2295<br>345<br>534  | 11 81 STEEL<br>11 81 STEEL<br>1029 1480 LEAD<br>6130 2000<br>6130 2000<br>132 183 STEEL<br>6 7 STEEL OR   | 73<br>1100<br>2170<br>475<br>330<br>34<br>2170   | 1482 1340<br>370 430 LEAD<br>1950 1720<br>11 452 STEL<br>16 135 70 STEL<br>16 135 71 STEL<br>11 DEPL U<br>35 38 METAL<br>200 200 410 DEPL U  |
| SHAPE                                   | CYL  | J. JJ.   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |  | CYL.<br>CYL.<br>CYL.<br>CYL.<br>CYL.<br>CAPSULE<br>PARAL.<br>CYL.  |
| V MASS CONTENTS<br>(Kg)                 | 200 0.64M8q U-235, 4M8q U-238, 9.38Bq Pu-240, 20kBq Pu-244  16 MAX, 259 GBq Cs-137, 4.44 TBq Ir-192  RADIDACTIVE MATERIAL 92000 3 SPENT FULL ASSEMBLIES OF WARR-440, WARR-365 REACTOR 92000 5 SPENT FULL ASSEMBLIES OF WARR-440, WARR-365 REACTOR 1800 DIFFERENT RADIONUCLIDES, SEE CERT. FOR DETAILS 961 GAMMA EMITTER "ROBLIS" WITH Co-60 79 MAX, 320TBq Co-60 70 MAX, 320TB | 85000<br>116000<br>116000<br>140000<br>400000<br>94000   | 94000<br>94000<br>5000<br>7000  | 10700 SEQ mC1 Pu-239 OR 37 mC1 Pu-242 OR 34 C1 Am-241 OR 2 C1 AM-243 10700 SPRIT FUEL ASSEMBLIES OF WARK-1000 REACTOR. 113000 12 SPRIT FUEL ASSEMBLIES OF WARK-1000 REACTOR. 113000 12 SPRIT FUEL ASSEMBLIES OF WARK-1000 REACTOR. 12380 NOT MORE THAN 0.9 PBq Co-60, 11.1 TBq P-32 14750 16 SPRIT FUEL ASSEMBLIES OF RESEARCH REACTOR. 182 NOT MORE THAN 7.4 TBq Po-210 19000 1560; P-32 OR 100C1 S-35 OR 10C1 Co-58 OR 1200C1 Ir-192 OR 14750 SRAPS OF FUEL RODS SBMY-1000, BN-350, BN-600 REACTORS. | 1 L1U GAWPA PRILITE WITH CO-DO(3/U) ENG MAX). US-13/(1111Bq MAX)  UP 10 300 mCi 6d-153 0 35000 UP TO 600 mCi 6d-67. In-111 or 1-123 (L1QUID PREPARATIONS) 0 4600 MAX. 16 Ci Am-241. 380 Ci Cm-244. 6 Ci Cf-252 1 Co-60 source 0 90 197 TBG Pu-238 RADIOACTIVE MATERIAL 1 1860 IF-192 or Cs-137 2 95 EMITTERS WITH Co-58 UP TO 0.37TBq. Co-60 UP TO 30GBq. Fe-55 UP TO 1711RLE. UP TO 669 100 Ci Pu-238. Am-241. Am-243. Cf-252 - 52 NOT MORE THAN 14.8 TBg Ir-192. 74TBq Se-75. 18 GBq Co-60   |
| CERTIFICATE REV<br>NUMBER NO            | T A1  | P A d  | RU/048N/S (U)-85 RU/048N/S (U)-85 RU/049N/B (U)-85 RU/049N/B (U)-85 RU/050/B (W)F-85T RU/050/B (W)F-85T A S RU/050N/B (U)-85 | Ad T   | RU/055N/S (U) -90 (RU/055N/S (U) -90 (RU/055N/S (U) -96 (U) -9 |

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| VALIDATIONS      | DESCRIPTION |
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| TABLE            | 10.         |

| G DESCRIPTION LINE 2                          | THE STEL TIGHT CYLINDER  CONSISTS OF SECURITY TARE AND PROTECTIVE CONTAINER AND SHOCK ABSOR  CONSISTS OF SECURITY TARE AND PROTECTIVE CONTAINER  NON-SEPARABLE. CONSISTS OF TUBE SCIDERED ON 115 FACES  CONSISTS OF SECURITY TARE. PROTECTIVE CONTAINER. HERMETICALLY BOX  SEE CERT. FOR DETAILS  CONSISTS OF PROTECTIVE CONTAINER AND SECURITY TARE  TIGHT STELL CAPSULE MITH COVERS  CONSISTS OF PROTECTIVE CONTAINER AND SECURITY TARE  TIGHT STELL CAPSULE AND INTERNAL METAL AMPOULES  SEE SERT. FOR DETAILS  OUNSIDE STELL CAPSULE AND INTERNAL METAL AMPOULE  CONSISTS OF PROTECTIVE CONTAINER AND SECURITY TARE  STELL CASK FILLED MITH ANTER OR INERT GAS  THE STELL CASK FILLED MITH WATER OR INERT GAS  THE STELL CASK FILLED MITH WATER OR INERT GAS  THE STELL CASK FILLED MITH WATER OR INERT GAS  THE STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  THE STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  THE STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  BOX FROM PLANDON  STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  THE STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  BOX FROM PLANDON  STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  HE STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  BOX FROM PLANDON  STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  FOR STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  FOR STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  FOR STELL CASK FILLED MITH WATER OR INERT GAS. FUEL IN BASKET  CONSISTS OF THE STELL PROTECTIVE CONTAINER AND SECURITY CONTAINER  PROTECTIVE CASK IS IN A SECURITY TARE  CONSISTS OF SECURITY TARE PROTECTIVE THE GOOD OF STELL DAYS THE LUBE ON THO SUPPORTS.  THE COMPLETE THE ON THO SUPPORTS.  STELL LUBE ON THO SUPPORTS.  STELL LUBE ON THO |
|---|--|
| ERIAL OUTER CASING                            | STEEL  |
| SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | CYL.         342         349         349         37 ST.STEEL           CYL.         341         336         340 DEPL U           CYL.         341         336         340 DEPL U           CYL.         341         336         340 DEPL U           CYL.         489         310 DEPL U           CYL.         489         518 DEPL U           CYL.         489         518 DEPL U           CYL.         480         518 DEPL U           CYL.         52         140         52           CYL.         52         140         70           CYL.         52         140         70           CYL.         400         400         400         400           CYL.         560         1445         EAD           CYL.         560         2196         440         50           CYL.         560         240         520         EAD           CYL.         480         520  |
| MASS CONTENTS<br>(Kg)                         | UP TO 55mC1 Am - 241           UP TO 55mC1 Am - 241           UP TO 55mC1 Am - 241           UP TO 54g DIXLIDE GF URANITUM CONTAINING U-235           B NOT MORE THAN 8.88 TR9 1r-192           UP TO 444 TBQ Co-60           B NOT MORE THAN 8.88 TR9 1r-192           UP TO 444 TBQ Co-60           B NOT MORE THAN 8.88 TBQ INTL-192           UP TO 444 TBQ Co-60           B NOT MORE THAN 8.88 TBQ INTL-192           UP TO 444 TBQ Co-60           B NOT MORE THAN 1REAL           1000 CHITTER RIT-90 OR RITIL-90. UP TO 4.5PBq           RADIOACTIVE WHERTAL           1000 CHITTER RIT-90 OR RITIL-90. UP TO 4.5PBq           AD000 LESS THAN 54C1 C-14 OR 13.5C1 Na.22. ARD DIHERS           1000 CHITTER RIT-90 OR RITIL-90. UP TO 2.6PBq           2000 UP TO 2 MC Co-60 or CS-137           2000 UP TO 2 MC CS-190  |
| CERTIFICATE REV NO NO                         | RU/069N/S RU/069N/T RU/060N/B(U)-96 RU/060N/S RU/060N/S RU/060N/S RU/063N/S RU/073N/T  |

PAGE 20 2002.08.01

| VALIDATIONS  | DESCRIPTION |
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| CERTIFICATES | CONTENTS    |
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| TABLE        | _           |

PAGE 21 2002.08.01

| DESCRIPTION LINE 2              | STEEL TUBE ON THE  4 STEEL CASK WITH I STEEL LUBE ON THE STEEL TUBE ON THE STEEL CASK, HEAT ONNSTRUCTION OF I CONSTRUCTION OF I STEEL TUBE ON THE STEEL CASK, OUTER STEEL CASK  | A CAPACITY IS IN A STEEL CONTAINER  13 SETS DIMENSIONS, SEALED GAMMA-RAY RAD. SOURCES BASED ON IT-192 3 SETS DIMENSIONS, TRANSPORT CAPSOLLE 5 SETS DIMENSIONS, TRANSPORT CAPSOLLE 5 STEEL TRANSPORT CONTAINER, TRANSPORT OF TUNGSTEN SPRING 5 STEEL TRANSPORT CONTAINER WITH INNER SHIELDING CONTAINER A CAN IS IN A CASK 5 SEALED GAMMA-RAY RADIATION SOURCES ON BASE OF CO-60 DIMENSIONS VARY, SEALED GAMMA-RAY RAD> SOURCES ON BASE OF CO-60 DIMENSIONS OURCE BASED ON CF-252 FOR THE ACTIVE ZONE OF CEFR REACTOR |
|---------------------------------|---|--|
| ERIAL OUTER CASING              |   | STEEL STEEL OR TITANI STEEL OR TITANI STEEL CRUM STEEL STEEL STEEL   |
| TH DIAM HGHT SHIELDING MATERIAL | 200<br>6555<br>6655<br>6655<br>6655<br>6655<br>6655<br>6655<br>6  | 1450 2656<br>8<br>8<br>502 733 LFAD<br>355 290 DEPL.U.<br>11 19<br>9 14  |
| LGТН WIDTH                      | 2115<br>3020<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650<br>1650  | 20 20  |
| SHAPE                           |   |  |
| MASS CONTENTS (Kg)              | (49)  69 1 FUEL ASSEMBLY OF PIC REACTOR  200 4 FUEL ASSEMBLIES OF RESEARCH REACTORS  201 FUEL ASSEMBLIES OF RESEARCH REACTORS  202 FUEL ASSEMBLIES OF RESEARCH REACTORS  203 7 FUEL ASSEMBLIES OF RESEARCH REACTORS  203 7 FUEL ASSEMBLIES OF RESEARCH REACTORS  204 FUEL ASSEMBLIES OF RESEARCH REACTORS  205 FUEL ASSEMBLIES OF RESEARCH REACTORS  206 FUEL ASSEMBLIES OF RESEARCH REACTORS  207 FUEL ASSEMBLIES OF RESEARCH REACTORS  208 FUEL ASSEMBLIES OF WARR-1000 REACTORS  209 THEL ASSEMBLIES OF WARR-440 REACTORS  200 4 FUEL ASSEMBLIES OF WARR-440 REACTORS  200 0 AF FUEL ASSEMBLIES OF WARR-440 REACTORS  200 0 CHEL ASSEMBLIES OF WARR-1000 REACTOR  2010 CHEL ASSEMBLIES OF WARR-1000 REACTOR  | 7399 FF6. J. 225. GR (10-60.) SPECIAL FORM MAX. 7.4 TBG (10-60.) SPECIAL FORM MAX. 11 TBG (200 Ci) Ir-192. SPECIAL FORM MAX. 11 TBG (300 Ci) Ir-192. SPECIAL FORM SEE CRT. FOR OK'd GITIES. Co-60. Se-75. Gd-153. Ir-192. more 250 0.2 Tbg (5.4 Ci) W-188 (0.002 Ci) Co-60. SPECIAL FORM 4070 URANIUM COMPOUNDS UP 70 25.9 TBG (700 Ci) Co-60. SPECIAL FORM MAX. 25.9 TBG (700 Ci) Co-60.  |
| CERTIFICATE REV NO              | NO<br>F-851<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-857<br>F-8 | RU/2008/NS<br>RU/20076/S<br>RU/20076/S<br>RU/2008/17<br>RU/2008/17<br>RU/2008/U)F-85T<br>RU/2090/S<br>RU/2090/S  |

|   | DESCRIPTION LINE 2           | STEEL CAPACITY IS IN A PROTECTIVE CASK IMER CONTAINER IS IN A OUTER STEEL CASK STEEL CONTAINER STEEL CONTAINER STEEL CASKS ARE IN AN OUTER STEEL CASK 32 INMER STEEL CASK ARE IN A OUTER STEEL CASK OUTER STEEL CASK ARE IN A OUTER STEEL CASK OUTER STEEL CASK ARE IN A PROTECTIVE COVER STEEL CONTAINER IS IN A PROTECTIVE COVER STEEL CASK STEEL BARREL STEEL CASK STEEL BARREL CONTAINER IS IN A PROTECTIVE COVER STEEL CASK |
|---|------------------------------|--|
|   | NG MATERIAL OUTER CASING     | STEEL  |
| ALIDATIONS<br>CRIPTION  | DIAM HGHT SHIELDING MATERIAL | 1780<br>1690<br>1025<br>1025<br>1025<br>1025<br>1025<br>1026<br>883<br>880<br>880<br>880<br>880<br>880<br>880<br>880<br>880<br>880   |
| ATES AND V.<br>TS AND DES   |                              | 866<br>876<br>876<br>876<br>877<br>877<br>878<br>877<br>878<br>878   |
| CERTIFIC<br>S, CONTEN   | LGТН WIDTH                   | 2340<br>1096<br>2340<br>2460<br>2460<br>2460<br>2470<br>3010<br>3010<br>3010<br>3010<br>3010<br>3010<br>3010<br>3010<br>3010   |
| TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS<br>LISTING OF MASS, CONTENTS AND DESCRIPTION | SHAPE                        | *  |
|   | MASS CONTENTS (Kg)           | 860 UF6 4030 UF6 U-235 UP TO 58 44030 UF6 U-235 UP TO 4.48 1590 UOZ PELLETS. U-235 UP TO 4.48 1580 UOZ PELLETS. U-235 UP TO 4.48 1580 UOZ PELLETS. U-235 UP TO 4.48 1600 UF6 U-235 UP TO 58 440 UF6 ROW REGERERATED URANIUM: U-235 LESS THAN 58 4000 UF6 U-235 UP TO 58 1460 UF6 U-235 UP TO 58 1460 UF6 U-235 UP TO 58 1460 UF6 U-235 UP TO 58 1470 UOZ U-235 UP TO 58 1580 UOZ PELLETS. U-235 UP TO 448 1580 UOZ PELLETS. U-235 UP TO 58 1580 UOZ PELLETS. U-235 UZ TO 58 1580 UZ PELLETS. U-235 UZ TO 58 1580 UZ PELLETS. U-235 UZ TO 58 |
|   | REV                          |  |
| PAGE 22<br>2002.08.01   | CERTIFICATE<br>NUMBER        | RU/211/8(M)F-85T RU/229/8(M)F-85T RU/2238(U)F-85T RU/228/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2301/8(M)F-85T RU/2311/8(U)F-85T RU/2311/8(U)F-85T RU/2311/8(U)F-85T RU/2311/8(U)F-85T RU/2323/4-85T RU/2323/4-85T RU/2323/4-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2323/8(M)F-85T RU/2324/4-85T RU/2324/4-85T RU/2324/4-85T RU/2324/4-85T RU/231/8(U)F-85T RU/250/4-85T RU/251/8(U)F-85T RU/251/4-85T  |

| VALIDATIONS | DESCRIPTION |
|-------------|-------------|
| 7           | _           |
| iii,        | CONTENTS    |
| $\exists$   | MASS        |
| FOR /       | Ч           |
| TABLE 5 -   | ISTING      |

PAGE 23 2002.08.01

| MASS   CONTENTS   SHAPE   Light Hight   D1AM   City   Ci | NG DESCRIPTION LINE 2 | A CAPACITY IS IN A STEEL CONTAINER STEEL BARREL STEEL BARREL STEEL BARREL STEEL BARREL STEEL BARREL STEEL PARREL STEEL CONTAINER IN A OUTER PLYMOOD BOX STEEL CONTAINER IN A OUTER PLYMOOD BOX STEEL CONTAINER IN A OUTER PLYMOOD STEEL CASK WITH LONGITUDINAL SOCKET STEEL CASK WITH LONGITUDINAL SOCKET STEEL CASK WITH LONGITUDINAL SOCKET STEEL CONTAINER STEEL CONTAINER   | STEEL CASK WITH TWO WALLS, FUEL IN 11 ALUMINIUM TUBES STEEL CASK, HEAT INSULATION, FUEL IN ALUMINIUM TUBES SEE CERT, FOR DETAILS STEEL CASK WITH TWO WALLS AND HEAT INSULATION SEE CERT, FOR DETAILS SEE CERT, FOR DETAILS SEE CERT, FOR DETAILS SEE CERT, FOR DETAILS STEEL CASK OUTER STEEL CASK WITH INNER SHIELDING CASK WOODEN BOX STEEL CASK   | STEEL CASK STEEL BARREL WOODEN BOX WITH SAMPLER STEEL BARREL STEEL BARREL STEEL BARREL STEEL BARREL STEEL BARREL STEEL CASK STEEL BARREL STEEL CYLINDER STEEL PARAL. STEEL PARAL. STEEL PARAL. STEEL PARAL. STEEL CASK WITH SAMPLER  | CAVITY DIM.: 2360 LONG x 840 f; LEAD SHIELD 250 MM THICK   |
|--|-----------------------|---|--|--|--|
| MASS   CONTENTS   SHAPE   Light width   DIAM   Contents  |                       | STEEL<br>STEEL  |  | STEEL<br>STEEL<br>STEEL  | STEEL  |
| WASS CONTENTS  | DIAM                  | 1420 2195 250 800 260 965 360 920 370 1350 254 70 762 680 2170 762 787 788 680 2170 789 789   | 655 1<br>400<br>645 1<br>1355<br>124<br>1050 1<br>130<br>130   | 124 285 335 253 251 260 240 240 240 240 240 240 240 240 240 24   | 1360 1411<br>1950  |
| (Kg)  (Kg) |                       |   | ٩.   |  | BOX<br>CYL.  |
| A0   |                       | Lebel Body Wer-440, Wwer-1000 RE UF6. U-235 UP TO 5.2% UF6. U-235 UP TO 5.2% UF6. U-235 UP TO 5.2% REMAINDERS OF UF6. U-235-UP TO 5.2% REMAINDERS OF UF6. U-235-UP TO 5.2% REMAINDERS OF UF6. U-235-UP TO 5.2% RADIOACTIVE PRODUCTS OF BN-600. RBMK-1000. "OKG" FUEL ASSEMBLIES OF BN-600. RBMK-1000 REACTORS FUEL ASSEMBLIES OF WMER-1000 REACTORS FUEL ASSEMBLIES OF WMER-1000 REACTORS FUEL ASSEMBLIES (UOZ and UOZ-646203) | OF RESEARCH REACTORS OF RESEAR |  | 14500 ACTVATED NON-FISSILE MATERIAL, MAX. 700 TBq<br>68495 SOLID ACTIVATED MATERIAL, SEVEN ALTERNATIVE |
|  | CERTIFICATE<br>NUMBER | RU/289/R(M)F-85T<br>RU/290/A-85T<br>RU/291/A-85T<br>RU/292/A-85T<br>RU/294/A-85T<br>RU/296/A-85T<br>RU/3002/AF-85T<br>RU/3002/AF-85T<br>RU/3002/AF-85T<br>RU/3002/AF-85T<br>RU/3006/RUJP-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96<br>RU/3006/RUJF-96  | RU/3011/1F-96<br>RU/3012/1F-96<br>RU/3013/1F-96T<br>RU/3013/1F-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-96T<br>RU/3015/1P-86T<br>RU/303/RU/-88T<br>RU/304/A-88T<br>RU/306/A-88T   | RU/307/A-86T<br>RU/308/A-86T<br>RU/310/A/89-5<br>RU/310/A-86T<br>RU/315/1-96T<br>RU/315/1-96T<br>RU/313/1-96T<br>RU/313/1-96T<br>RU/319/H(U)-96T<br>RU/401/A-86T<br>RU/401/A-86T<br>RU/407/A-86T<br>RU/407/A-86T<br>RU/417/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T<br>RU/416/A-86T | S/0023/B(M)F<br>S/0030/B(U)F<br>S/0055/B(U)-85   |

| VALIDATIONS  | NESCETETION |
|--------------|-------------|
| AND          | UNV         |
| CERTIFICATES | CONTENTS    |
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| FOR          | Ы           |
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| E 5 - F      | E           |
| TABLE        | _           |

|   | AL OUTER CASING DESCRIPTION LINE 2      | ST.STEEL  | STEEL STEEL FINNED CASK FILLED WITH WATER OR INERT GAS. FUEL IN BASKET STEEL STEEL FINNED CASK FILLED WITH GAS. STAS. IN BASKET OF BORATED STEEL THEED WITH INERT GAS/AIR FUEL IN BASKET. CONSISTING OF BORATED STEEL HELD WITH INERT GAS/AIR FUEL IN BASKET. CONSISTING OF BORATED STEEL WELDED CONSTRUCTION OF 2 TUBES DIA. 426 mm WALL THICKNESS 9mm WELDED CONSTRUCTION OF 2 TUBES DIA. 426 mm WALL THICKNESS 9mm WELDED CONSTRUCTION OF 4 TUBES DIA. 210 mm WALL THICKNESS 9mm WELDED CONSTRUCTION OF 4 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 4 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 4 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 4 TUBES STEEL WELDED CONSTRUCTION OF 4 TUBES STEEL WELDED CONSTRUCTION OF 4 TUBES STEEL WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 8mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 9mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 9mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 mm WALL THICKNESS 9mm WELDED CONSTRUCTION OF 5 TUBES DIA. 210 TO 84 DIA. 31. STEEL TUBGSTEEL WATCHEL LENGTH SALEDED TYPE 304 ST. STEEL COURLE ENCAPSULATION STALED WITH HERT GAS WELDED CLOSURE ST. STEEL DOUBLE ENCAPSULATION OF TYPE 304 ST. STEEL DOUBLE ENCAPSULATION STREEL DOUBLE ENCAPSULATION STREEL DOUBLE ENCAPSULATION STREEL STREEL STREEL STREEL STREEL DIA. WARY 127 TO 762 LONG. 50 TO 254 DIA. 57. STEEL DOUBLE ENCAPSULATION STREEL |
|---|---|---|--|
| TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS<br>LISTING OF MASS, CONTENTS AND DESCRIPTION | LGTH WIDTH DIAM HGHT SHIELDING MATERIAL | 4923 1141 1048 1213 5270 768 1226 5386 250 6150 885 1950 5230 885 598 533 483 508 DEPL. U. 5865 986 790 5865 986 790  | 6035         6036         2295         STEEL           6036         5295         STEEL           10436         1080         STEEL           4955         1080         STEEL           3350         660         880         STEEL           3350         660         880         STEEL           3350         660         880         STEEL           336         660         980         STEEL           336         660         980         STEEL           336         660         980         STEEL           33         33         ST.STEEL           34         30         ST.STEEL           38         30         ST.STEEL           30         30         ST.STEEL           4         30         ST.STEEL           56         30         ST.STEEL           11         3         ST.STEEL           264         27         ST.STEEL           27         57         ST.STEEL           36         6         6         ST.STEEL           33         33         ST.STEEL  |
| TABLE 5 - FOR ALL C<br>LISTING OF MASS.   | MASS CONTENTS SHAPE (Kg)                | 3600 3600 750 FRESH SVEA 64/94/100-FUEL ELEMENTS OR PIN. MAX 3% CYL. 11525 1186 MAX. 370 TBq Ir-192 METALLIC SPECIAL FORM CUBOID 3950   | 300 300 SPENT FUEL ASSEMBLIES WARR-440 116000 12 SFAS OF WARR-1000 REACTOR 113000 12 SFAS OF WARR-1000 REACTOR 1101 OF UEL ASSEMBLIES OF WARR-1000 2200 2 FUEL ASSEMBLIES OF WARR-1000 2200 2 FUEL ASSEMBLIES WARR-1000 2300 2 FUEL ASSEMBLIES WARR-4400 1900 4 FUEL ASSEMBLIES WARR-440 1900 4 FUEL ASSEMBLIES OF WARR-440 REACTORS 1900 7 FUEL ASSEMBLIES WARR-41 PERLETS OF WARR-11 GROSPHERES CYUL WAX. 0.137 FBQ (10.6) C1.3 Am-241 SERVILLIUM NOLE FORM 11 GG TUEL 70.5 Am-241 SERVILLIUM NOLE FORM 10 FUEL ASSEMBLIES OF MAR-241 WARR OR OF S-137 OR CYUL 10 FORM 7 FUEL WAX. 0.137 FIGH COS OF 8.9 TBQ (240 C1) IT-192 PELLETS 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD OF MITAL WITH BERYLLIUM POWDER 10 FUEL TO AM-241 ORD |
| PAGE 24<br>2002.08.01   | CERTIFICATE REV NUMBER NO               | \$\sqrt{113/X}\$ \$\sqrt{113/X}\$ \$0\$ \$\sqrt{113/X}\$ \$0\$ \$\sqrt{113/X}\$ \$0\$ \$\sqrt{1114/X}\$ \$0\$ \$\sqrt{1114/X}\$ \$0\$ \$\sqrt{1114/X}\$ \$0\$ \$\sqrt{1114/X}\$ \$0 | 21   |

# TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS LISTING OF MASS, CONTENTS AND DESCRIPTION

SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL OUTER CASING DESCRIPTION LINE 2

REV MASS CONTENTS NO (Kg)

CERTIFICATE NUMBER

PAGE 25 2002.08.01

| ST.STEEL SHIPPING CONTAINER IN A FIRE-RESISTANT WOOD-LINED DRUM OVERPACK ST.STEEL SHIPPING CONTAINER IN A FIRE-RESISTANT WOOD-LINED DRUM OVERPACK ST.STEEL CONTAINER IS PACKAGED IN FIRE RESISTANT WOOD-LINED DRUM OVERPACK ST.STEEL CONTAINER IS PACKAGED IN FIRE RESISTANT WOOD-LINED DRUM OVERPACK ST.STEEL OR ALLOY DOUBLE ENCAPSLIES NAME OF 18% NI MARAGINN MS STEEL OR MP3SN ALLOY ST.STEEL DOUBLE ENCAPSLATION SEALED WITH INERT GAS WELD ST.STEEL WELDED. DOUBLE ENCAPSLATION STATEL ST.STEEL WELDED. DOUBLE ENCAPSLATION STATEL. SEAL WELDED ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.S  | ST.STEEL  WELDED DOUGRE ENCAPSQLATION CONSTRUCTED ON STAINLESS STEEL  ST.STEEL  INSIDE DIM. WARY, MAX. WALL THICKNESS 0.71 mm  ZIRCALLOY-2  LENGTH B(Z) 21mm, BS(Z) 28.6mm; T.I.GWELDED DOUGRE ENCAPS.  ST.STEEL  WELDED CAPSALLES, WITH FIRE SHIELD: MOUNTED ON STRUCTURAL ST. BASE STEEL  WELDED CAPSALLES, WITH FIRE SHIELD: MOUNTED ON STRUCTURAL ST. BASE ST.STEEL  WELDED CYLINDSTRAL CONTENTS OF JAPANESE CERT. ARE WALIDATED! ST.STEEL  WELDED CYLINDSTRAL DOUBLE ENCAPSULTINNS OF 304 OR 304L ST.STEEL  INSULATED STEEL CYLINDER CONTAINING A LEAD POT STEEL  INSULATED STEEL CYLINDER CONTAINING A LEAD POT STEEL  INSULATED STEEL CYLINDER CONTAINING A LEAD POT STEEL  INSULATED STEEL CYLINDER CONTAINING A STEEL DOT STEEL  INSULATED STEEL CYLINDER CONTAINING A STEEL CAD LEAD POT STEEL  INSULATED STEEL CYLINDER CONTAINING A STEEL CAD LEAD POT STEEL  INSULATED STEEL CANISTER CONTAINING A STEEL DOT ST.STEEL  WELDED STEEL CORK-LINED DOUBLE ENCAPSUL. TYPE 304 ST.STEEL  APPROVAL ONLY FOR SOURCES MANUFACTURED BEFORE 2001.12.10 ST.STEEL  WELDED ST.MERE CORK-SLAKES BETWEEN 38 and 50.8 mm TYPE304 ST.STEEL  WELDED STRUCK SAMUFACTURED PRIOR TO 2001.12.01 STEEL  OON TAINS COOK SPACERS AND ST.ST. POT: FOR TRANSPORT OF TRAINSPORT OF TRAINSPORT OF TRAINSPORT OF ENCAPS. LENGTH VARIES BETWEEN 38 and 50.8 mm TYPE304 ST.STEEL  WELDED STRUCK SPACERS AND ST.ST. POT: FOR TRANSPORT OF TRAINSPORT OF ENCAPS. GAMMA SOURCES STEEL  FOR TRANSPORT OF ENCAPSULATED GAMMA SOURCES STEEL  FOR TRANSPORT OF ENCAPSULATED GAMMA SOURCES ST.STEEL  WELDED STRUCK SPACERS AND ST.ST. POT: FOR TRANSPORT OF TRAINSPORT OF ENCAPS. GAMMA SOURCES ST.STEEL  WELDED STRUCK SPACERS AND ST.ST. POT: FOR TRANSPORT OF TRAINSPORT OF ENCAPS. GAMMA SOURCES ST.STEEL  WELDED ST.STEEL  WELDED ST.STEEL  WELDED ST.STEEL  WELDED ST.STEEL  OONTAINS COOKS SPACERS AND ST.ST. POT: FOR TRANSPORT OF TRAINSPORT OF ENCAPSULATION OF STEEL  OONTAINS COOKS SPACERS AND ST.ST. POT: FOR TRANSPORT OF TRAINSPORT OF ENCAPSULATION OF STEEL  OONTAINS COOKS SPACERS AND ST.ST. POT: STEEL  OONTAINS COOKS SPACERS AND    |  |
|--|--|--|
| 25<br>483 521 DEPL. U<br>489 551 DEPL. U.<br>490 520 DEPL. U.<br>25 ST.STEEL<br>13 STEEL<br>19<br>4 1<br>15 8  |  | 900 1200 LEAD<br>6 5 ST.STEEL<br>1040 1360 LEAD<br>9   |
| 108<br>123<br>25<br>70   | 31<br>16<br>51<br>130<br>105<br>27<br>27<br>451<br>10  | 24<br>33<br>33   |
| MAX. 185 GBQ (5.0 C.1) Pu-238 OR Am-241 AS OXIDE MIXED WITH POWDER CYL. 337BQ Mo-99 OR 1-131 OR 11-192: OR 110 TBq Ir-192 metal CYL. 337BQ Mo-99 OR 1-131 OR Ir-192: OR 110 TBq Ir-192 A44 or 296 TBq Ir-192 IN METALLIC FORM. SEE ADDITIONAL TABLE DRUM A44 or 296 TBq Ir-192 IN METALLIC FORM. SEE ADDITIONAL TABLE DRUM MAX. 0.37 TBq (10C1) Cs-137 MAX. 0.37 TBq (10C1) Cs-137 MAX. 0.27 TBq (20 Ci) Am-241 MIXED WITH BERYLLIUM AS PELLETS CYL. MAX. 0.74 TBq (20 Ci) Am-241 MIXED WITH BERYLLIUM AS PELLETS CO.57 TBG (10C1) Cs-137: MRE-580: 0.37TBq (10C1) Co-60 CYL. MAX. 0.074 TBq (2 Ci) Am-241 AS VITREOUS CERAMIC MAX. 0.074 TBq (2 Ci) Am-241 AS VITREOUS CERAMIC CO-60 IN METALLIC FORM SEE CENT FOR DETALLS CAPSULE UP 10.11 TBG (1.0 Ci) For Models VD and VDCHP) SEE CERT FOR DETALLS CAPSULE UP 10.21 TBq Ir-192 OR 2.6 TBq Cs-137 in 1AEA SFCS DRUM DRUM DRUM DRUM DRUM DRUM DRUM DRUM | MAX. 74 GBQ (2.0 C;) Cs-137. SOLID MICROSPHER RESIN PELLETS  WAX. 0.0111 TBQ (0.3 C;) Cf-262 AS Cf-PALLADIUM CERMET  WAX. 0.0111 TBQ (0.3 C;) Cf-262 AS Cf-PALLADIUM CERMET  WAX. 185 TBQ (5.000 C;) Co-60 or Ir-192; METAL WAFERS OR PELLETS  CYL.  Tradiated Uranium - Aluminum alloy  CYL.  WAX. 46 KG UOZ PER PACKAGE. SEC CERT. FOR DETAILS  WAX. 46 KG UOZ PER PACKAGE. SEC CERT. FOR DETAILS  WAX. 25 TBQ Cs-137. SQU TBQ Ir-192. 75 GBQ Ra-226 OR 75 GBQ Co-60  WAX. 25 TBQ Cs-137. SQU TBQ Ir-192. 75 GBQ Ra-226 OR 75 GBQ Co-60  WAX. 11. GBQ (300 mCl) Na-22. Co-57. Co-60. GB-68 OR 75 GBQ Co-60  WAX. 14. 8 TBQ Co-60. 592 TBQ Ir-192. 75 GBQ Ra-226 OR 75  WAX. 2.04 TBQ (6.5 C;) Pu-238 AS OXIDE POWDER MIXED WITH  WAX. 1.04 TBQ (6.5 C;) Pu-238 AS OXIDE POWDER MIXED WITH  WAX. 2.04 TBQ (6.5 C;) Pu-238 AS OXIDE POWDER MIXED WITH  WAX. 2.04 TBQ (6.5 C;) Pu-238 AS OXIDE POWDER MIXED WITH  WAX. 2.22 TBQ (6.5 C;) PC-258 AS OXIDE POWDER MIXED WITH  WAX. 1.24 TBQ (6.5 C;) Pu-238 AS OXIDE POWDER MIXED WITH  WAX. 2.24 TBQ (6.5 C;) PC-268 AS WETAL PELLETS  CYL.  MAX. 2.22 TBQ (6.5 C;) PC-268 AS WETAL PELLETS  CYL.  MAX. 1.25 TBQ (5.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 1.25 TBQ (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 1.25 TBQ (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 1.25 TBQ (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 40 (6.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 41 TBQ (5.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 41 TBQ (5.0 C;) FC Co-60 AS WETAL PELLETS  CYL.  MAX. 7. 41 TBQ (5.0 C;) FC CO-60 AS WETAL  CC-60 AS WETAL WAFERS OR SINGLE SLUGS. SEC CERT. FOR DETAILS  CYL.  MAX. 7. 41 TBQ (5.0 C;) FC CO-60 AS WETAL  CO-60 AS WETAL WAFERS OR SINGLE SLUGS. SEC CERT. FOR DETAILS  CYL.  MAX. 7. 41 | or Am-241/Be mixture<br>1 Co-60, 7.4TBQ Yb-169, 1.11TBQ Cs-137+<br>1 Co-109, Ba-133 etc SEE CERT DETAILS<br>1r-192 OR 3780 TBQ Cs-137 in SFCs<br>FIFAL OR 30TBQ (810 Ci) Co-60 SLUGS<br>OR 0.0019TBQ (0.05Ci) Ru-106<br>as CT203 IN ALUMINUM. CERAMIC OR PALLA |
| MAX. 185 GBq (5.0 C1) Pu-23<br>126 37TBq Mo-99 OR 1-131 296TB<br>102 37TBq Mo-99, 1-131 OR 1r-192<br>136 444 or 296 TBq Ir-192 IN MF<br>MAX. 0.74TBq (20C1) Am-241 IN MF<br>MAX. 0.74TBq (20C1) C5-137<br>MAX. 0.74 TBq (20 C1) Am-241 NER-570<br>0.074 TBq (2.0C1) Am-241 AR<br>0.074 TBq (2.0C1) Am-241 AR<br>0.074 TBq (2.0C1) Am-241 AR<br>0.074 TBq (2.0C1) Am-241 AR<br>0.074 TBq (2.0C1) Am-241 AR<br>137 GBq (1.0 C1) Am-241 AR<br>137 GBq (1.0 C1) Am-241 MIXE<br>C0-60 IN MFTALLIG FORM<br>11.11Pq (3300 C1) for Models  | MAX. 74 GBQ (2.0 ( 8.88 TBQ (2.20 C1) MAX. 185 TBQ (5.0 C 23000 Irradiated Uranium 5.45 7400 BQ (2.000000 C. 205 MAX. 25 TBQ (3.0 C 205 MAX. 27 TBQ (3.0 C 205 MAX. 27 TBQ (3.0 C 205 MAX. 2.137 OB MAX. 1.6 TBQ (5.0 C MAX. 2.2 TBQ (5.0 C 20 C 20 D 20 D 20 D 20 D 21 D 21 D 20 D 21 D 20 D 21 D 20 D 21 D 20 D 21 D 21 D 21 D 21 D 22 D 23 D 24 D 25 C 25 TBQ (2.0 C 20 D 20 D 21 D 21 D 21 D 22 D 23 D 24 D 25 C 25 TBQ (2.0 C 26 D 26 D 27 D 27 D 28   |  |
|  |  | 2030 2030 3830 7800  |

SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL OUTER CASING DESCRIPTION LINE 2

| WELDED ST.STEEL ENCAPS.: INNER DIM: 17.78 DIA x 2.67 THICK (mm) WELDED ST.STEEL BOUGLE ENCAPS.CYL.: HIGH INTENSITY GAWAA SOURCE Welded Type 304 or 304L stainless steel capsule FUSION-WELDED DOUBLE ENCAPSULATIONS. DIM. WARY WINGE TO ST.STEEL DOUBLE ENCAPSULATIONS. DIM. WARY WINGE TO ST.STEEL ST.   | INNER DIM: 45 / mm DIA. x 610 mm HIGH: ASSY: IN MODDED BY DOLYURE DIN: 45 / mm DIA. x 610 mm HIGH: ASSY: IN MODDED BY POLYURE Irradiators for biological products or biological samples 208 L DRUM CONTAINING 4 SPEC 2R INNERS WITH VERMICULITE INSULATION FOR TRANSPORT OF TWO UNIRRAD. URANIUM DINOE FUEL ASSEMBLIES CAVITY DIMENSIONS: 178 mm DIA. X 1475 mm LONG T. 1.6. w.ELDED SOURCES FOR BRACHTHERAPY TREATMENTS ALUMINA THERMAL INSULATION BALSA & PAPER HONEYCOMB SHOCK ABSORBER SEALED. WELDED SINGLE ENCAPSULATION OF TYPE 316 or 316L STEEL STSION WELDED. SINGLE ENCAPSULATION OF TYPE 304 or 304L ST. STEEL TIG WELDED. SINGLE ENCAPSULATION OF TYPE 304 or 304L ST. STEEL TIG WELDED. SINGLE ENCAPSULATION OF TAYON STANDARD DIAMETER TAPERS FROM 6.6mm to 2.54mm TUNIGSTEN INRET GAS WELDED. SINGLE OR BOUBLE ENCAPSULATION. HEXAGONAL CAPSULE |
|---|---|
| ST STEEL ST ST STEEL ST ST STEEL ST S   | STEEL STEEL STEEL NN -T1 WIRE ST.STEEL   |
| 100<br>130<br>135<br>135<br>135<br>135<br>135<br>135<br>135<br>135  | 1930<br>830<br>600<br>730   |
| NOT MORE THAM 5.55 GBQ (0.15 C1) Am-241 as americium oxide  Not more than: 3, 788 (0.1 C1) Na22 as NaC1 in Au or ceramic: 11.1 CYL.  SEE CERY FOR DETAILED LIST  SEE CERY FOR DETAILED LIST  SEE CERY FOR COLO.  227 Not more than 2.0 kg of plutonium oxide or mixtures of natural or CYL.  185Mag Na-2.11100Mag C0-57/C0-58, 370Mag Co-60. 1850Mag Ge-68  CYL.  227 Not more than 2.0 kg of plutonium oxide or mixtures of natural or CYL.  0.2 TBG (5.4 C1) CF-237 GASS CRAMIC EAGA OR PRILETS SPECIAL FORM CYL.  0.2 TBG (5.4 C1) CF-238 CASS CRAMIC EAGA OR PRILET SPECIAL FORM CYL.  0.2 TBG (5.4 C1) CF-238 CASS CRAMIC EAGA OR PRILET SPECIAL FORM CYL.  13300 UP TO 4 INSERT RACKS EACH COMT. UP TO 16 IRRAD. MIR FULL ASSEMBLIE CYL.  12.0 PTO 370TBG (990 C1) IT-192 IN FORM OF SOLID METAL PELLETS  MAX. 8.19 TBG (4.20C1) IT-192 OR C.6 OI IN METAL PELLETS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL PELLETS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL PELLETS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL PELLETS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL IN CASHWEISS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL IN CASHWEISS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL IN CASHWEISS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL IN CASHWEISS  MAX. 8.19 TBG (2.40 C1) IT-192 OR C.6 OI IN METAL IN CASHWEISS  MAX. 1.0 TBG C.6 OI IN WETALLIC FORM IN IAA SFCS  SEG MICHED UNIRRADIATED URANIUM COMPOUNDS  SEC CERT. FOR DETALS  3980 UFA SIMPLE EXCEPTED QUANTITIES OF RESIDUAL UFG  WAX. 37 GBQ (1.5) CS-137 IN CERAMIC MICROSPHERES  NOT MORE THAN 0.740 TBG (20 C1) IT-192 AS SOLID METAL  215 MAX. 4 GBQ (2.5) C3-137 IN CERAMIC MICROSPHERES  NOT MORE THAN 0.740 TBG (20 C1) IT-192 AS SOLID METAL  215 MAX. 10 CBQ (20 C1) C-6 OR 296 TBG (8000 C1) C3-137  MAX. 14 GBQ (20 C1) C-6 OR 296 TBG (8000 C1) C3-137  MAX. 14 GBQ (20 C1) C-6 OR 296 TBG (8000 C1) C3-137  MAX. 14 GBQ (20 C1) C-6 OR 296 TBG (8000 C1) C3-137  MAX. 14 GBQ (20 C1) C-6 OR 296 TBG (8000 C1) C3-137  MAX. 14 GBQ (20 C1) C-134 AS SOLID METAL TETS CYLL  MAX. | 181 113 194 (3.950 (7) (5-1.34 and 05-1.34 AS LOOSE PUMDER OR PELLEIS CYL. 250 3.7 GBG. FOUR MAPLE FUEL BUNDLES 250 U02 AND U ENRICHED TO 10% AND 5% U236, ALSO (U+Th)02. (U+Pu)02 250 U02 AND U ENRICHED TO 10% AND 5% U236, ALSO (U+Th)02. (U+Pu)02 250 U02 AND U ENRICHED TO 10% AND 5% U236, ALSO (U+Th)02. (U+Pu)02 250 U02 AND U ENRICHED TO 10% AND 5% U236, ALSO (U+Th)02. (U+Pu)02 250 U02 AND U ENRICHED TO CONTENT NO. 11 IN FRENCH CERT: SOLID U MATERIALS 396 RESTRICTED TO CONTENT NO. 11 IN FRENCH CERT: SOLID U MATERIALS 1500 U02 FUEL BUNDLES: MAX. 45.5GBG, 560 kg. 4% AVE. ENRICHMENT/BUNDLE PARAL. 25E CERT. FOR DETALLS: e.g., 3.73GB Na-22: 11.1GBG Co-57 etc. 27C. 37C. 37C. 37C. 37C. 37C. 37C. 37C. 3   |
|   | USA/04/7/8(U)-85 USA/0480/AF USA/04887/(B(U)-85 USA/04887/(B(U)-85 USA/0490/AF-85 USA/04947/S USA/04947/S USA/04987/S USA/04987/S USA/04987/S USA/04087/S USA/0500/S   |

REV MASS CONTENTS NO (Kg)

CERTIFICATE NUMBER SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL OUTER CASING DESCRIPTION LINE 2

MASS CONTENTS (Kg)

REV NO

CERTIFICATE NUMBER

| FINNED CYLINDRICAL CONTAINER ASSEMBLY WITH BOTTOM SHIPPING SKID T.I.GWELDED SINGLE ENCAPSULATION OF Type 316 or 316L ST.STEL DIM. OF INNER CAPSULE: 12.7 mm DIA. x 104 mm LONG WELDED. SINGLE ENCAPSULATION OF Type 304 OR 304L STEL DIMENSIONS WARY, SEE CERTIFICATE FOR DETAILS WELDED. SINGLE ENCAPSULATIONS OF Type 304 OR 304L STEEL FUSION WELDED: DOUBLY ENCAPSULATED RIGHT CYLINDER INNER CAPSULE DIMENSIONS: 7.94mm DIA. x 161.3 mm LONG TRIPLE ENCAPSULATION. TIG-WELD DOUBLE ENCAPSULATION. TIG-WELD DOUBLE ENCAPSULATION OF 316L STEEL, SEALED BY INNER GAS WELD OUGHE CARS (aluminiums1). incl. shield. cask and inner container SEE CERT FOR DIMENSIONS.   | CLOSURE OF PLUG IS WELDED USING TUNGSTEN INERT GAS SINGLE ENCAPS. TIG-WELDED, DIA.: 6mm on ONE RID. 4mm on OTHER END FOR TRANSPORT OF RADIOACTIVE SOLIDS IN STAINLESS STEEL POT FRANSPORT OF IRRADIATED FUEL ELEMENTS. SPECIAL FUEL ELEMENTS OUTER CASK INCL. INSULATION AND INNER CASK INCL. NEUTRON SHIELD | RADIOTHERARY HEAD AND NECK ASSY WARPED IN INSULATION IN CRATE SHIPPING CONTAINER FOR TELETHERARY COBALT SOURCES WITH FIR PLYWOOD IMPACT LIMITER: CAPSULE DIM:: 73mm DIA x 149 mm H SHOCK ABSORBER: ST. STEEL and FIR PLYWOOD LENGTHS & DIAMETERS VARY for Types I.II.III.IV. v and VI TRANSFER CONTAINER; CAV. DIM.: 55 i x 101.4 HEIGHT URANIUM TRANSPORT PACKAGE. NINE RAILS IN ST. STEEL CONTAINER CAVITY DIMENSIONS: 960 mm DIA. x 1080 mm HIGH | DIMENSIONS VARY. SEE CERT. FOR DETAILS ONLY APPROVED FOR SERIAL NUMBERS IN TABLE 1 OF JAPANESE CERT. IRRADIATED METAL SPECIMEN CAPSULE 1S WELDED TO A ST. STEEL CABLE NITINOL WIRE CONTAINING TWO ENRICHED Ir SEEDS: DIA. 0.6 mm cask incl. lead shield and insulation, with shock limiters FOR ONE-TIME SHIPMENT FROW PADUCAH TO CAPENHURST. UK ANSI NAI. 13 SAMPLING CYL. IN IMPACT-ABSORBING & THERMAL OVERPACK | OVERPACK FOR 30B TYPE CYLINDER FOR UF6 FROM NATURAL OR REPROC. U STEEL ENCASED CYL. ASSENBLY WITH EXTERNAL FINS AND FIRE SHIELD CAVITY DIMENSIONS: 1360 mm LOMA X 200 mm DIA. CONTAINS 2 SOURCE HEADS MOUNTED ON SKIDS. DIMENSIONS INCLUDE SKID F-448 SHIELDING VESSEL IN F-327 OVERPACK WITH WOODEN FILLER INSERT FOR TRANSPORT OF ENCAPSULATED SQUNCES LEAD POT IN CORK INSULATED SQUANNISED STEEL DRUM TOTAL LENGTH 48X: 33016.25mm, 448Y: 3833.45mm, 675TE | STEEL DROW WITH CONS STREETS CONTRAINES STSTEEL CONTRAINENT FOI<br>BALSA AND PAPER HONEYCOMB SHOCK ABSORBER<br>DOUBLE ENCAPSULATIONS. WELDS ARE BY TIG OR LASER METHODS | KNOWN/SUSPECTED FAILED FUEL ASSIES. NOT ALLOWED. SEE CERT. FOR DET MIN. WALL THICKNESS OUTER/INNER CAPSULES: 1.0mm/0.65mm MIN. WALL THICKNESS OUTER/INNER CAPSULES: 1.0mm/0.65mm PHENDI.C-FOAM INSULATED PROTECTIVE OVERPACKS. W/SNUG-FITTING INNER PHENDLIC-FOAM INSULATED PROTECTIVE OVERPACK W/SNUG-FITTING INNER RIGHT RECTANGULAR BOXES: INNER DIM. 4521 x 279 x 457 PACKAGING: 55-6AI. CAPACITY 1AZ STEEL DRUM STEEL BANDED WOODEN SHIPPING CONT. FOR UNIRRAD. URANIUM METAL OVERPACKS FOR IMPACT & THERMAL PROTECTION FOR UNIRRAD. URANIUM METAL | OVERFROND FOR THE ACT A HILLWINE FROILOUT FOR LEELHILING HILLWINE |
|--|--|---|--|--|---|---|---|
| ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.STEEL<br>ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.ST.S | STEEL<br>ST.STEEL<br>STEEL<br>ST.STEEL<br>ST STEEL<br>ST STEEL   | STEEL<br>ST. STEEL<br>ST. STEEL<br>ST. STEEL<br>ST. STEEL<br>ST. STEEL<br>ST. STEEL   | ST.STEEL ST.STEEL ST.STEEL steel ST.STEEL  | ST.STEEL<br>STEEL<br>STEEL<br>STEEL<br>STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL<br>ST.STEEL   | STEEL<br>ST.STEEL<br>TITANIUM<br>STEEL<br>ST.STEEL<br>ST.STEEL  | ST.STEEL<br>ST.STEEL<br>WOOD<br>STEEL<br>WOOD   |   |
| STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL ST.STEEL  | 405 ST.STEEL<br>2075<br>557 PARAFFIN<br>SOO OF ST STEEL  | 990 Pb<br>1165 LEAD<br>520 ST.STEEL<br>200 ST.STEEL<br>ST.STEEL<br>69 ST.STEEL<br>2008 LEAD   | 1300<br>2000 ST.STEEL<br>1ead<br>470 STEEL   | 1356 LEAD<br>1729 LEAD<br>1940 ST. STEEL<br>1941 PB.<br>521 LEAD<br>405 LEAD<br>1367 DEPL. U.  |   | 2000 ST. STEEL<br>S.STEEL<br>762  | 0011  |
| 1240<br>7<br>16<br>8<br>8<br>8<br>8<br>19<br>10<br>29<br>113<br>416  | 43<br>4<br>325<br>1800<br>418  | 1900  | 1300<br>1500<br>1500<br>1 1030   |  |   | 1108  |   |
| 800  | 000  | 1020<br>1040<br>286<br>106  |  | 1340 931 1356  | 730   | 762   | ò   |
| 1020<br>10<br>123<br>123<br>5<br>5<br>170<br>170<br>211<br>50<br>53  | 30 15 15 1830  | 1830<br>1040<br>286<br>106  | 32<br>2500<br>2600<br>3136   | 2420 2487 1356   | 5070<br>12<br>12  | 2426<br>2426<br>5258  | 400   |
|  | PLUG<br>CYL.<br>CYL.<br>CYL.   |   | CYL.<br>CyJ.<br>CYL.<br>CAPSULE<br>WIRE<br>CYL.<br>CYL.  |  |   | S CYL.<br>CYL.<br>CYL.<br>CYL.<br>PARAL.<br>PARAL.  | 10000   |
|  | MAX.<br>MAX.<br>33 B<br>Pu-2<br>NATU   | 1987 MAX. 444 TBA (12.000 Ci) Co-60 METAL SPECIAL FORM 22300 UP TO 555 TBQ CO-60.  175 MAX. 37 TBQ MO-99 SOIUTION 175 MAX. 37 TBQ MO-99 SOIUTION MAX. 370 GBA (10Ci) Cs-137 AS CESTUM CHLORIDE 122 1500 Ci Mo-99 OR 500 Ci 1-131 OR 4000 Ci Ir-192 693 U COMPOUNDS ENRICHED TO MAX. 5 MEIGHT % (ONLY PART OF GB CERT!!)   | MAX. 300 C1. Co-60 AS SQLID METAL PELLETS 3980 Uranium Hexafluoride MAX 5% ENRICHED. 245 GBq 1500 RESTRICITED TO CONTENT NO. 4 of JAPANESE CERT MAX 5.8 PBq MAX. 0.55 TBq (15 Ci) In-192 0.48 TBq (14 Ci) Ir-192 4270 irradiated MTR fuel elements (type DIDO, ESSOR) NON-FISSILE AND FISSILE EXCEPTED UF6 UP TO 450 cm URANIUM HEXAFLUGRIDE ENRICHED TO MAX. 5 WEIGHT %   | MAX. 2277 kg. UFG LOAD. MAX. U235 5% ENRICHED F-231(1985): 114.8 PBG C0-60, F-231 MKZ: 7.4 PBG C0-60 FUEL PINS OR RODS. IRRADIATED OR UNITRADIATED. SE CERT. FOR SEE CERT. FOR DETAILS (1-125, 1-131, Mo-99/TC-99m, C0-60, mC ENCAPS. GAMPA SOURCES: 20.2 TBG IT-192 OR 12 TBG Se-75 12.6FBG C060, 5.55FBG C1317 ARR: MAX. 1.2PBG C060 AFTER 1. MAX. 20.2 TBG IT-192 OR 12 TBG 38-75 SOLID GAT 200; FISSILE EXCEPTED OR NON-FISSILE UF6                        |   | 18500 HGH-, WED OR LOW-ENRICHED UFLES FOR JWTR. JRR-3 OR TTR REACTOR CYL.  MAX. 111 GBG (3 C10 C0-60 SOLID. METALLIC  4000 FISSILE RAW IN THE FORM OF ENRICHED UBANIUM HEXAFLUGRIDE.  CYL.  FISSILE RADIOACTIVE MATERIAL IN FORM OF ENRICHED UF6  CYL.  1273 UNIRRADIATED UOZ FUEL RODS OR ASSEMBLIES  PARAL.  91 NOT MORE THAN 350 gm U-235 IN NON-PYROPHORIC FORM OF U  PARAL.  191 RT RAG C1 C-66 OR 2 SOL C1 C-137  CHECKL. FOR DETALL FORM OF CHECKLE OR CHECKLE OR CHECKLE  PARAL.  |   |
|  | 7  | 3 1897<br>1 2300<br>2 175<br>1 18500<br>0 122<br>3 693<br>0 23400   | 1 2  | 0 1290<br>0 7955<br>1 7340<br>0 1740<br>0 125<br>0 54  |   |   |   |
|  | 0 0 1 1 1 0 0 0  |   | 1 2  | 001000100  | 000000  |   |   |

SHAPE LGTH WIDTH DIAM HGHT SHIELDING MATERIAL OUTER CASING DESCRIPTION LINE 2

| NOT OK 10 SHIP BY AIR AFTER 2001.06.30, BY SEA AFTER 2001.12.31 CYLINDRICIAL LEAD-SHIELED ASSEMBLY, WITH REMONABLE FIRESHIELD BOX 2021A DIMENSIONS. 1092 mm D1A. x 4801 mm LONG and 1227 kg WASS 760MW D1A. CYL.STEEL.EMCASED PB RADIATION SHED DIMENED TO SUPPORT HAS CYLINDRICAL FIRE SHIELD. TO PERPORMANCE REMOTS OF SS6/67 BUT NOT TO SS6/83AA NURRE DIMENS TOWS: 5.72 mm D1A. x 864 mm HIGH MELDED CAPSULE. WITH FIRE SHIELD. LEAD SHIELDDING 266 WM KELDED CAPSULE. WITH FIRE SHIELD. LEAD SHIELDDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDING 266 WM KELDED CAPSULE WITH FIRE SHIELD. LEAD SHIELDING 266 WM KELDE SHEPPING CONTAINER FOR WITHOWN DEPORTED FILE BUNDLES CRITIZEL SHIPPING CONTAINER FOR WITHOWN DEPORTED FILE BUNDLES RADIOGRAPHIC DEVICE WITHIN PROTECTIVE OVERPACK FOR TRANSPORT OF RESTEACH. DEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. DEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. LEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. LEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. DEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. DEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. LEVELOPMENT AND/OR PROD'N SAPPLES FOR TRANSPORT OF RESTEACH. LEVELOPMENT AND/OR PROD'N SAPPLES FOR STEEL ENCASED URANIUM SHIEDDE GAWAR RAY PROJECTOR. ""S" TUBE FORDISTS OF UP TO 2x-6-dL, OR 3A3-GA, STEEL PAILS IN SG6-L DRUNG GAWAR RAY PROJECTOR. ZIRCALLOW """ TUBES SOURCE CHANGER. ZIRCARDER ZIRCARD DIA" "S" TUBE SOURCE CHANGER. STORAGE & SHIPPING CONTAINER PRODUCED SAPPLICE STORAGE AND SPECIAL FORM SOURCES FORDISCE CHANGER. STORAGE & SHIPPING CONTAINER PRODUCED BUTCLE: STORAGE OF THE STORAGE AS THE CONTAINER. TO STORAGE CHANGER. SIGNAGE CHANGER. SIGNAGE CHANGER. SIGNAGE CHANGER. SIGNAGE CHANG |  |
|--|--|
| STEEL  |  |
| 1136 LEAD 1136 LEAD 1242 LEAD 1242 LEAD 1244 LEAD 1245 LEAD 1245 LEAD 1246 LEAD 1247 LEAD 1369 LEAD 1369 LEAD 1369 LEAD 1370 BELL. URANIUM 1370 BELL. URANIUM 1370 BELL. URANIUM 1370 BELL. URANIUM 1371 BELL 1372 BELL 1373 BELL 1374 BELL 1375 BELL 1376 BELL 1377 BELL 1377 BELL 1378 BERL 1378 BERL 1378 BERL 1378 BERL 1378 BERL 1378 BERL 1378 STEEL 1388 STEEL   |  |
| 3 1092<br>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  |  |
| 5 1270<br>6 813<br>8 864<br>2 274<br>2 274<br>2 274<br>2 274<br>3 352<br>6 352<br>6 352<br>7 114<br>1 1981<br>1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3  |  |
| 965<br>8266<br>8266<br>8266<br>8268<br>8268<br>1010<br>1010<br>6096<br>6096<br>6096<br>6096<br>769<br>769<br>769<br>813<br>340<br>914<br>813<br>1737<br>789<br>789<br>789<br>789<br>789<br>789<br>789<br>78  |  |
| 2265 13.000 C1 C0-60 OR 111 TBq (3000 C1) C3-137 SP-FORM CUBDID 3318 TDQ (10,000 C1) C0-60 AS MIXEL-PLATED PELLETS R SLUGS CUBDID 3318 TDQ UNINERDIATED FHEL BINDLES AN CATTUATIES. SEE CRET FOR DETAILS CONTRACTOR CASE OF C10.000 C1) C0-60 A METAL CASE OF C10.000 C1) C0-60 A METAL CASE OF C11.000 C1) C0-60 SP-FORM: 2000 C10.00-60 A METAL CASE OF C11.000 C1) C0-60 SP-FORM: 2000 C10.00-60 SP-FORM: 2000 C10.00-60 A METAL CASE OF C11.000 C1) C0-60 A METAL CASE OF C11.000 C1) C0-60 C10.00-60 SP-FORM: 2000 C10.00-60 SP-FORM: 2000 C10.00-60 SP-FORM: 2000 C10.00-60 A METAL CASE OF C11.000 C1) C0-60 C10.00-60  |  |
| ~ E ~ G & B & C & A & C & C & C & C & C & C & C & C  |  |
| 15A/5979/8() 15A/6028/AF 15A/6028/AF 15A/6028/AF 15A/60214/8(U) 15A/6028/AF 15A/60214/8(U) 15A/6201/AF-85 15A/6201/AF-85 15A/6201/AF-85 15A/6201/AF-85 15A/6201/AF-85 15A/6201/AF-85 15A/6201/AF-85 15A/6201/AF-85 15A/6001/AF-85 15A/6001/AF-85 15A/9002/AF(U) 15A/9003/AF-85 15A/9 |  |

REV MASS CONTENTS NO (Kg)

CERTIFICATE NUMBER

PAGE 28 2002.08.01

| VALIDATIONS    | INCTENTION OF  |
|----------------|----------------|
| ₽R             |                |
| CERTIFICATES . | CIAN STRUTINGS |
| ALL            | MACC           |
| R              | L              |
| TABLE 5 - F    | CHITAI         |
|                |                |

|   | DESCRIPTION LINE 2  | 56-GAL. DRUM FOR TRANSPORT OF SOLID URANIUM CONTAMINATED RESIDUES SHIPPING CONTAINER FOR UNRADIATED FUEL ASSEMBLES FOR TRANSPORT FOR UNIRRADIATED FUEL ASSEMBLES FOR TRANSPORT OF UNIRRADIATED FUEL ASSEMBLES FOR TRANSPORT OF UNIRRADIATED LOW-ENRICHED URANIUM OXIDE POWDER RADIOGRAPHY EXPOSIBE DEVICE. 2 versions: "DELTA" and "ELITE" OVERPACK FOR SHIPPING SEALED SOURCES WITHIN GAMMACELL 220 IRRAD. FOR SHIPPING HEAT SOURCE PULTONIUM IN WARIOUS CHEMICAL FORNS BEAD OF CS GLASS CONTAINED IN DOUBLE CAPSULE 4.45 mm DIAX X 8.0 OR 7.0 mm HIGH IF DISCS 2mm DIAX X 0.25 OR 0.33 mm THICK: 3mm DIAX X 0.125 mm THICK FLASK WITH COOLING FINS. STANDS ON SKID DURING TRANSPORT URANIELD IS CAST WITH ZIRCONIUM TUBES WHICH HOLDS SOURCES TRANSFER CONTAINER:  ONE "P" and TWO "L" CAPSULES. SEE CERT. FOR DETAILS CENAMIC FIBRE INSULATION. WITH ST.STEEL MESH COVER  |
|---|---|--|
|   | AL OUTER CASING   | STEEL STEEL MOOD STEEL ST. STEEL   |
| TABLE 5 - FOR ALL CERTIFICATES AND VALIDATIONS<br>LISTING OF MASS, CONTENTS AND DESCRIPTION | LGTH WIDTH DIAM HGHT SHIELDING MATERIAL OUTER CASING DESCRIPTION LINE | 1143 1143 1575 STEEL 1566 460 286 MT7AL 1143 1143 1143 1127 118 STEEL 1338 127 DEPL. U. 1578 86 ST. STEEL 6 8 ST. STEEL 8 8 ST. STEEL 1400 900 1465 LEAD 1213 335 DEPL. U. 290 374 DEPL. U. 290 374 DEPL. U 290 374 DEPL. U 290 374 DEPL. U 213 335 DEPL. U 220 374 DEPL. U 220 374 DEPL. U 220 375 DEPL. U  |
| FOR ALL CERT)<br>OF MASS, CON   | SHAPE LG1   | LL. 010  |
| TABLE 5 - I   | V MASS CONTENTS<br>(Kg)   | 375 MAX. 775 LBS URANIUM-CONTAMINATED RESIDUES. MAX 5% WEIGHT U-235 DRUN 2298 MAX. 775 LBS URANIUM-CONTAMINATED RESIDUES. MAX 5% WEIGHT U-235 CUBG 2988 MAX. TWO BMR FUEL ASSEMBLIES CONTAMINATED CAST MAX. 540 KPG 11290 LBS) URANIUM OXIDE POWDER COUR 2 IT-192 "DELTA" 150 C1. "ELITE" 50 C1 CYL. 408 POWDERED PLUTONIUM OXIDE PRG, MAX. 5000 C1 PER SOURCE IRRE CUBG MAX. 37 GBQ (1 C1 C) CS-137 MAX. 7.5 TBQ IT-192 CYL. MAX. 7.5 TBQ IT-192 SEALED SOURCES PER PKG, MAX. 6 × 5.55 TBQ IT-192 SEALED SOURCES CYL. CYL. MAX. 7.4 GBQ (2C1) CO-60 MAX. 7.5 TBQ IT-192 SEALED SOURCES CYL. CYL. MAX. 7.4 GBQ (2C1) CO-60 MAX. 7.5 TBQ IT-192 SEALED SOURCES CYL. MAX. 7.4 GBQ (2C1) CO-60 MAX. 7.5 TBQ IT-192 SEALED SOURCES CYL. MAX. 7.5 TBQ (2C1) CO-60 MAX. 7.5 TBQ (2C1) CO-72 CYL. CYL. CYL. CYL. 1.192 MAX. 900 C1. IT-192 CYL. CYL. |
|   | REV<br>NO   | 85<br>85<br>85<br>85<br>85<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10   |
| PAGE 29<br>2002.08.01   | CERTIFICATE<br>NUMBER   | USA/9285/AF-85 USA/9289/AF-85 USA/9292/AF-85 USA/9294/AF-85 USA/9294/AF-85 USA/9299/B(U)-85 USA/9299/B(U)-85 ZA/002/S ZA/004/S ZA/NNR/1004/B(U)-85 ZA/NNR/1008/B(U)-85 ZA/NNR/1008/B(U)-85 ZA/NNR/1008/B(U)-85 ZA/NNR/1008/B(U)-85 ZA/NNR/1008/B(U)-85 ZA/NNR/1008/B(U)-85 ZA/NNR/1008/B(U)-95 ZA/NNR/1008/B(U)-95   |

## TABLE 6 CERTIFICATES LISTED BY MEMBER STATE

#### ARGENTINA - Data provided for the period ending 24 May 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF                                 | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS   | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER                               |
|---|--|--|---|--|---------------------------------------|--|
| RA/0025/AF-85<br>RA/0028/AF-85<br>RA/0030/S-85<br>RA/0032/S-85<br>RA/0040/S-96<br>RA/0042/S-85  | 8 2003.10.31<br>7 2003.10.31<br>7 2003.12.31<br>7 2003.12.31<br>7 2005.04.14<br>7 2003.12.31                                 |  | DALMA (CNEA) CALBEL (CNEA) CNEA FIS 60-04 CNEA FIS 60-05 POLYTEC RM-10 and RM-19 CNEA FIS 60-03 / R 2089  | 50<br>40 only one<br>ALL<br>ALL<br>ALL<br>ALL                                | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>TS-R-1                               |
| RA/0043/S-85<br>RA/0045/S-85<br>RA/0049/X-85<br>RA/0051/AF-85<br>RA/0063/X-85   | 4 2004.04.21<br>8 2003.12.31<br>16 2001.01.31<br>1 2002.03.31<br>7 2002.05.15  |  | CNEA FSM 60-03 CNEA AC-345 INVAP OVERPACK CEC (CNEA) OVER GESTION DE RESIDUOS RADIACT   | ALL<br>ALL<br>ONLY ONE<br>1.2,3,4,5  | X X X X<br>X X X X<br>X X X X         | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA           |
| RA/0064/S-85<br>RA/0064/S-85<br>RA/0068/AF-85<br>RA/0072/B(U)-85<br>RA/0090/B(U)-85<br>RA/3550/B(U)F-85<br>RA/3551/AF-85<br>RA/3552/AF-85 | 4 2004.04.21<br>2 2003.04.30<br>2 2003.03.33<br>2 2004.03.30<br>0 2003.04.30<br>0 2005.02.28<br>0 2003.01.31<br>0 2003.12.31 | USA/9225/B(U)F-85<br>GB/3516/AF-85<br>D/4280/AF-85 | CNEA COB-9-A TRPOL - 1 (CNEA) MODEL GURI 01 CONTRAS (INVAP S.E.) MODEL EMI-9 (SINERCOM S.A.) 21 NAC-LWT (NUCL. ASSURANCE CORP.) 3 MODEL 3516A (BRITISCH NUCL. FUEL 4 MODEL BU-D | ALL<br>10 thru 17<br>01 and 02<br>01-02 and 03<br>01 (ONLY ONE)<br>1,2,4,5,6 | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| RA/3553/B(U)  | 0 2002.12.31   | CDN/2009/B(U)                                      | 10 MODEL F-147 THERATRONICS INTL.   | ONLY No. 53  | XXXX                                  | 6/73aa   |

#### AUSTRALIA - Data provided for the period ending 18 July 2001

| CERTIFICATE<br>NUMBER      | REV EXPIRY<br>DATE           | REVALIDATION<br>OF | REV PACK     | AGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER |
|----------------------------|------------------------------|--------------------|--------------|--------------------|------------------------------|---|----------------------------|
| AUS/02/B(U)                | 4 2002.12.05                 |                    | AAEC         | 200                | AAEC/200/1                   | х х х   | 6/73                       |
| AUS/03/B(U)                | 4 2002.12.05                 |                    |              | 1300               | AAEC 1300/1                  | X X X   | 6/73                       |
| AUS/04/B(U)-85             | 4 2001.01.01                 |                    | AAEC         | 2100               |                              | X X X X                                       | 6/85                       |
| AUS/05/S                   | 3 2003.06.30                 |                    | AAEC         | TYPE 05            | ALL                          | X X X X                                       | 6/85                       |
| AUS/06/S                   | 3 2003.06.30                 |                    | AAEC         | TYPE 06            |                              | X X X X                                       | 6/85                       |
| AUS/07/S                   | 3 2003.06.30                 |                    | AAEC         | TYPE 07            | ALL                          | X X X X                                       | 6/85                       |
| AUS/08/S                   | 3 2003.06.30                 |                    | AAEC         | TYPE 08            | ALL                          | X X X X                                       | 6/85                       |
| AUS/09/S                   | 3 2003.06.30                 |                    |              | TYPE 09            | ALL                          | X X X X                                       | 6/85                       |
| AUS/10/S                   | 3 2003.06.30                 |                    | AAEC         | TYPE 10            | ALL                          | X X X X                                       | 6/85                       |
| AUS/11/S                   | 3 2003.06.30                 |                    |              | TYPE 01            | ALL                          | X X X X                                       | 6/85                       |
| AUS/12/S-85                | 3 2002.05.31                 |                    |              | TYPE 02            | ALL                          | X X X X                                       | 6/85                       |
| AUS/17/B(U)                | 2 2002.12.05                 |                    |              | 2400               | AAEC/2400/1                  | х х х   | 6/73                       |
| AUS/18/B(U)                | 3 2004.08.31                 |                    |              | 2600               |                              | X X X X                                       | 6/85                       |
| AUS/19/S-85                | 3 2002.06.30                 |                    |              | TYPE 13            | ALL                          | XXXX  | 6/85                       |
| AUS/20/B(U)F-85            | 2 2001.04.21                 |                    |              | - 120              |                              | X X X   | 6/85                       |
| AUS/21/B(U)                | 1 2002.12.05                 |                    |              | 2000               |                              | X X X   | 6/73                       |
| AUS/22/S-85                | 3 2002.06.30                 |                    |              | TYPE 12            | ALL                          | XXXX  | 6/85                       |
| AUS/23/S-85                | 3 2002.06.30                 |                    |              | TYPE 17            | ALL                          | XXXX  | 6/85                       |
| AUS/26/B(U)-85             | 2 2003.10.31                 |                    |              | 0 2800             | 2800/1 - 20                  | XXXX  | 6/85                       |
| AUS/28/S<br>AUS/29/S-85    | 1 2001.02.08<br>1 2003.03.31 |                    | ANST<br>ANST |                    | ALL<br>ALL                   | XXXX  | 6/85<br>6/85               |
| AUS/29/3-05<br>AUS/30/S-85 | 1 2003.03.31                 |                    | ANST         |                    | ALL                          | X   | 6/85                       |
| AUS/31/B(U)-85             | 1 2003.03.31                 |                    |              | 2200               | ALL                          | XXXX  | 6/85                       |
| AUS/43/B(U)F-85            | 0 2002.09.30                 |                    |              | 0 3700             | MLL                          | XXX   | 6/85AA                     |
| AUS/47/S-96                | 1 2005.09.01                 |                    | ANST         |                    | ALL                          |   | ST-1/96                    |
| 11007 1770 00              | 1 2000.05.01                 |                    | 711011       | U, LL              | / 122                        | N N N N                                       | 51 1/50                    |

#### AUSTRIA - Data provided for the period ending 26 March 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS           | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D   |
|---|--|---|--|--|--|
| A/0002/B(U)F-85<br>A/0101/B(U)F-85<br>A/106/S<br>A/107/S<br>A/9002/B(U)<br>A/9002/B(U)F<br>A/9303A/B(U)<br>A/9303B/B(U) | 0 2003.04.06<br>0 2005.02.28<br>2 2002.12.31<br>2 2002.12.31<br>8 2002.06.30<br>9 2002.06.30<br>3 2004.10.31<br>3 2004.10.31 | D/4342/B(U)F-85<br>USA/9225/B(U)F-85<br>B/30/B(U)<br>B/30/B(U)F<br>GB/3231A/B(U)<br>GB/3231B/B(U) | 0 TN 7-2<br>26 NAC-LWT<br>SG6-3<br>SG6-4<br>19 TNB 0145<br>18 TNB 0145<br>6 GB/3231A/B(U)<br>5 GB/3231B/B(U) | ALL<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL | X X X 6/85<br>X X X X 6/85AA<br>X X X X 6/85AA<br>X X X X 5/85AA<br>X X X X TS-R-1<br>X X X X TS-R-1<br>X X X X TS-R-1<br>X X X X TS-R-1 |

| CERTIFICATE<br>NUMBER                                      | REV EXPIRY<br>DATE   | REVALIDATION<br>OF   | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D   |
|--|--|--|--|------------------------------|--|
| A/9304/B(U)<br>A/9305/B(U)F-85<br>A/9601/AF<br>A/9701/B(U) | 2 2002.10.31<br>4 2004.03.31<br>2 2002.03.31<br>1 2001.10.31 | USA/9215/B(U)<br>GB/2802B/B(U)F-85<br>USA/9239/AF<br>GB/1936N/B(U) | 5 NPI-20WC-6 MkII<br>3 GB/2802B/B(U)F<br>7 WESTINGHOUSE MCC-3, MCC-4, MCC-5<br>5 GB/1936N/B(U) | ALL<br>ALL                   | X X X X 6/85AA<br>X X X X TS-R-1<br>X X X X 6/85AA<br>X X X X 6/85AA |

#### **BELGIUM - Data provided for the period ending 28 March 2002**

|  |   | •  | · ·  |   |                                       |  |
|--|---|--|--|---|---------------------------------------|--|
| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF   | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS                                | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   |  |
| B/009/S-85<br>B/010/S-85<br>B/012/S-85<br>B/013/S-85<br>B/013/S-85<br>B/014/S-85<br>B/016/S-85<br>B/016/S-85<br>B/016/S-85<br>B/019/S-85<br>B/019/S-85<br>B/020/S-85<br>B/021/S-96<br>B/22/S-96<br>B/30/B(U) | 6 2002.12.20<br>6 2002.12.20<br>6.1 2004.03.05<br>5 2004.08.13<br>5 2004.08.07<br>004 2002.07.16<br>004 2002.07.17<br>4 2002.07.18<br>004 2002.07.19<br>2 2002.12.20<br>0 2007.03.31<br>0 2007.03.31<br>19 2002.06.30 |  | G 7 G8 G6A-G6B G 4 G 1 G 3 G2 G5 G 10 G11 G 21 Gammamed12i GAMMAMED PLUS TNB 0145  | ALL<br>ALL<br>ALL   | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85<br>6/85<br>6/85<br>6/85AA<br>6/85<br>6/85AA<br>TS-R-1<br>TS-R-1 |
| B/30/B(U)F<br>B/44/B(U)F-85<br>B/58/B(U)F-85<br>B/59/B(U)F-85<br>B/62/B(U)F-85<br>B/63/B(U)F-85<br>B/65/B(U)F-85<br>B/67/B(U)F-85  | 18 2002.06.30<br>10 2002.08.31<br>2 2002.02.15<br>1 2002.06.30<br>4 2004.09.30<br>1 2003.06.19<br>0 2002.06.30<br>0 2002.06.30  |  | TNB 0145 FS47 TN 24 D NE4C TN24XL TN 28 VT TN24XLH TN24DH  | ALL<br>all<br>all   | X X X X X X X X X X X X X X X X X X X | 6/73AA<br>6/85AA<br>6/85<br>6/85AA<br>6/85AA<br>6/85AA   |
| B/69/B(U)F-85<br>B/70/B(U)F-85<br>B/74/H(M)-96<br>B/8.3CDN.1002.99.06<br>B/8.3CDN.1041.01059<br>B/8.3CDN.2013.99.50<br>B/8.3CDN.2037.00.03   | 1 2003.12.31<br>1 2005.10.31<br>0 2003.12.31<br>17 2001.02.28<br>0 2004.10.31<br>11 2003.10.31<br>10 2001.10.31   | USA/0592/H(M) -96<br>CDN/1002/B(U)<br>CDN/1041/B(U) -85<br>CDN/2013/B(U)<br>CDN/2037/B(U)  | FS65-1300<br>TN17-2 version A basket 903<br>0 48% and 48% cylinders<br>17 NORDION F112, F113<br>0 F-327/F-448<br>11 GAMMACELL 220<br>10 NORDION F242 | ALL<br>all<br>ALL<br>1-10, 12-41                            | X X X X X X X X X X X X X X X X X X X | TS-R-1<br>6/73AA<br>6/85AA<br>6/73AA   |
| B/8.3CDN.2037.01300<br>B/8.3CDN.2039.99.39<br>B/8.3CDN.2042.02028<br>B/8.3CDN.2042.99.29<br>B/8.3CDN.2043.97.41<br>B/8.3CDN.2051.00.02<br>B/8.3CDN.2051.01325  | 016 2001.03.31<br>16 2002.07.31<br>16 2001.06.03<br>18 2002.11.30<br>4 2001.08.31<br>5 2002.03.31   | CDN/2037/B(U)<br>CDN/2039/B(U)<br>CDN/2042/B(U)<br>CDN/2042/B(U)<br>CDN/2043/B(U) -85<br>CDN/2051/B(U)<br>CDN/2051/B(U)                                      | 10 NORDION F242<br>16 ELD 76.78: 765.780.780C.780IEC<br>16 F-245<br>16 F-245<br>18 F-327with F-318 or F-251 inserts<br>4 F-271<br>5 F-271            | 1-10. 12-41<br>1-5 AND 7-26<br>1-5 AND 7-26<br>1-10<br>1-10 | X X X X X X X X X X X X X X X X X X X | 6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/73AA   |
| B/8.3CDN.2061.98.30<br>B/8.3CDN.2061.99.48<br>B/8.3CDN.2063.00.10<br>B/8.3CDN.2064.00.10<br>B/8.3CDN.2065.00.02<br>B/8.3F.137.99.297<br>B/8.3F.213.99.391  | 4 2002.05.31<br>5 2004.04.30<br>3 2004.04.30<br>3 2003.03.31<br>Jf 2004.06.30<br>Gb 2002.03.15  | CDN/2061/B(U) -85<br>CDN/2061/B(U) -85<br>CDN/2063/B(U) -85<br>CDN/2064/B(U) -85<br>CDN/2065/B(U) -85<br>F/137/B(U)<br>F/213/B(U)                            | 3 AECL CRL<br>4 AECL CRL<br>5 F-168<br>3 F-168-X<br>3 GAMMACELL 1000 AND 3000<br>Jf GAM80 or GAM120<br>Gb GMA  | all<br>all<br>53-76, > 83<br>>77-X <82-X<br>>42             | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA   |
| B/8.3F.220.98.173<br>B/8.3F.313.01.380<br>B/8.3GB.0666AY.98.1<br>B/8.3GB.0924BZ.98.1<br>B/8.3GB.1933A.99.04<br>B/8.3GB.1933A.99.04<br>B/8.3GB.1933B.99.04  | 6 2001.01.31<br>6 2001.10.31<br>9 2001.10.31<br>12 2001.10.31   | GB/0924W/B(U)<br>GB/1933A/B(U)<br>GB/1933B/B(U)  | IC D 80161 fi TNBGC-1 8 6 0924 Mk II 6 0924 Mk II 9 INSULATED STEEL CANISTER 12 INSULATED STEEL CANISTER   | all<br>ALL<br>all   | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA   |
| B/8.3GB.1934A.98393<br>B/8.3GB.3231A.01238<br>B/8.3GB.3231A.99.04<br>B/8.3GB.3231B.01239<br>B/8.3GB.3231B.01239<br>B/8.3GB.3908A.02039<br>B/8.3J.001.99.298<br>B/8.3USA.6613.98.30                           | 5 006 2004.10.31<br>5 2001.10.31<br>006 2004.10.31<br>5 2001.10.31<br>1 2004.09.30<br>001 2009.09.30  | GB/1934A/B(U)<br>GB/3231A/B(U)<br>GB/3231A/B(U)<br>GB/3231B/B(U)<br>GB/3231B/B(U)<br>GB/3231B/B(U)<br>GB/3908A/B(U)F-85<br>J/001/B(U)-85/RI<br>USA/6613/B(U) | 8 INSULATED STEEL CANISTER 006 5 006 5 1 1 KATY 6 MODEL 702  | ALL<br>ALL<br>ALL<br>all<br>all<br>ALL                      | X X X X X X X X X X X X X X X X X X X | 6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA   |

| CERTIFICATE REV EXPIRY<br>NUMBER DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION        | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY R R A S SERIES A O I E NUMBER I A R A L D |
|---------------------------------------|--------------------|-----------------------------------|------------------------------|--|
| B/8.3USA.9027.96.33 10 2001.02.28     | USA/9027/B(U)      | 10 741,741E,741A,741AE,741B,741BE |                              | X X X X 6/73AA   |
| B/8.3USA.9028.96.34 8 2001.01.31      | USA/9028/B(U)      | 8 Amersham 684,-E,-AE,-A,-B,-BE   |                              | X X X X 6/73AA   |
| B/8.3USA.9035.02126 011 2005.05.31    | USA/9035/B(U)-85   | 011 Amersham 680                  | all                          | X X X X 6/85AA   |
| B/8.3USA.9036.01260 11 2006.10.30     | USA/9036/B(U)-85   | 11 SPEC C-1                       | ALL                          | X X X X 6/85aa   |
| B/8.3USA.9245.98109 5 2002.06.30      | USA/9245/B(U)      | 5 MODEL RTS-420                   | ALL                          | X X X X 6/73AA   |
| B/8.3USA.9283.99.10 5 2003.06.30      | USA/9283/B(U)-85   | 5 AEA OPL-660 OP-660              | all                          | X X X X 6/85AA   |

#### CANADA - Data provided for the period ending 26 April 2002

| CANADA DO  | ta proviaca   | ioi tiio poilod    | chang to April 2002  |   |   |  |
|--|---|--------------------|--|---|---|--|
| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS  | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D |  |
| CDN/0001/S CDN/0004/S-85 CDN/0009/S-96 CDN/0010/S-85 CDN/0011/S CDN/0011/S CDN/0011/S CDN/0011/S CDN/0011/S-85 CDN/0013/S-85 CDN/0014/S-85 CDN/0015/S-85 CDN/0016/S-85 CDN/0016/S-85 CDN/0018/S-85 CDN/1002/B(U) CDN/1003/B(U) CDN/1003/B(U) CDN/1039/B(U) CDN/1039/B(U) CDN/1039/B(U) CDN/1039/B(U) CDN/1039/B(U) CDN/1039/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2013/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2003/B(U) CDN/2013/B(U) CDN/2013/B(U) CDN/2013/B(U) CDN/2013/B(U) CDN/2043/B(U) CDN/2044/B(U) CDN/2044/B(U) CDN/2044/B(U) CDN/2044/B(U) CDN/2044/B(U) CDN/2054/B(U) CDN/2054/B(U) CDN/2054/B(U) CDN/2054/B(U) CDN/2054/B(U) CDN/2055/B(U) CDN/2055/B(U) CDN/2055/B(U) CDN/2056/B(U) CDN/2056/B(U) CDN/2063/B(U)-85 CDN/2064/B(U)-85 CDN/2064/B(U)-85 CDN/2064/B(U)-85 CDN/2063/B(U)-85 CDN/2064/B(U)-85 CDN/2063/B(U)-85 CDN/2064/B(U)-85 CDN/2063/B(U)-85 CDN/2064/B(U)-85 | 14 2004.05.31 6 2002.09.30 5 2005.09.30 4 2002.10.31 4 2003.06.30 2 2004.11.30 2 2005.10.31 1 2003.05.31 2 2006.07.31 0 2002.11.30 18 2004.02.29 10 2002.05.31 8 2002.01.31 13 2006.04.30 6 2002.05.31 8 2002.05.31 3 2006.04.30 6 2002.05.31 13 2006.04.30 10 2002.11.30 10 2004.10.31 11 2003.05.31 12 2004.10.31 13 2006.05.31 12 2004.10.31 13 2006.05.31 12 2004.11.30 10 2002.11.30 10 2002.11.30 10 2002.11.30 10 2002.11.30 10 2002.11.30 10 2002.11.30 10 2002.11.30 10 2002.11.30 10 2002.13.31 11 2003.03.31 12 2004.03.31 12 2004.03.31 13 2006.05.31 14 2002.05.31 15 2001.08.31 3 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.07.31 6 2003.03.31 3 2004.04.30 4 2002.05.31 5 2006.05.31 3 2004.04.30 4 2002.03.31 4 2002.05.31 5 2004.04.30 4 2002.03.31 4 2002.05.31 |                    | NORDION SPECIAL FORM CAPSULES THERATRONICS C146. C151. XC325 MDS NORDION TC-346 MDS NORDION C-188 CAPSULE NORDION C-161. TYPE 8 MDS NORDION C-3000 CAPSULE MDS NORDION C-324 CAPSULE MDS NORDION C-168 MDS NORDION C-168 MDS NORDION C-168 MDS NORDION C-168 MDS NORDION C-163 CAPSULE MDS NORDION F112. F113 NORDION F327/F146 SOURCE CHANGER SINCO RAY DU-100B.BS.BSL & BSE MDS NORDION F-254 AND F-296 PNEUMAT-A-RAY 100-3 CAMERA GAMMAMAT TK-100/NAIS OVERPACK MDS NORDION F-376 TRANSPORT PKG GAMMAMAT TI RADIOGRAPHY CAMERA MDS NORDION F-376/F-448 MDS NORDION F-327/F-448 MDS NORDION F143. F158 NORDION F127 THERATRONICS F-147 NORDION F168 MDS NORDION F-327/F-247 THERATRON T780 SERIES HEADS MDS NORDION F-327/F-247 THERATRON T780 SERIES HEADS MDS NORDION F-271 TRANSPORT PKG NORDION F168-X NORDION F168-X NORDION F168-X NORDION F-231 PACKAGE NORDION F-273 PACKAGE NORDION F-273 PACKAGE NORDION F-274 TRANSPORT PKG NORDION F-275 SERIAL NO. 2 OPG TRITIATED HEAVY WATER PKG NORDION F-271 TRANSPORT PACKAGE IRRADIATED FUEL CASK. S/N IFC-1 NORDION GAMMACELL 40 MK2 OH DRY STORAGE CONTAINER (DSC) MDS NORDION F-378 WITH F334 OVERPACK NORDION F-271 TRANSPORT PACKAGE IRRADIATED FUEL CASK. S/N IFC-1 NORDION GAMMACELL 40 MK2 OH DRY STORAGE CONTAINER (DSC) MDS NORDION F-339 TRANSPORT PKG NUPAC OH-142 MKII CRNL TRITIDE PACKAGE CRL IRRADIATED MATERIAL PACKAGE THERATRONICS F1LTER TRANSPORT PKG NUPAC OH-142 MKII CRNL TRITIDE PACKAGE CRL IRRADIATED MATERIAL PACKAGE THERATRONICS F1LTER TRANSPORT PKG NUPAC OH-142 MKII CRNL TRITIDE PACKAGE THERATRONICS F1LTER TRANSPORT PKG NUPAC OH-142 MKII CRNL TRITIDE PACKAGE THERATRONICS F1LTER TRANSPORT PKG NUPAC OH-142 MKII CRNL TRITIDE PACKAGE THERATRONICS F1LTER TRANSPORT PKG NORDION F-168-X SHIPPING FLASKS NORDION GC 1000-85 AND 3000-85 NORDION GC 1000-85 AND 3000-85 NORDION GC 1000-83000 WITH 20WC5 NORDION GC 1000-83000 | ALL 1-11 & 2-11 1 TO 146 500104  22-603  SEE CERT 1.3.5.9 50. 52 AND 54 ALL SEE CERTIFICAT 1 TO 256 ALL ALL ALL 49.51.53.55 22X-26X & 41X 7-9: 11-24  1-6 ALL 1 TO 10 IFC-1 ALL ALL ALL | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>TS-R-1<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| CDN/2072/B(U)-85<br>CDN/2074/B(U)-85   | 3 2004.02.28<br>1 2003.11.30  |                    | MDS NORDION F127,F127X, RAI/F127<br>THERATRONICS 780 SERIES  | 59 AND UP<br>SEE CERT   | X X X X X X                                   |  |
| CDN/2077/B(U)-85   | 0 2004.11.30  |                    | MDS NORDION F231(1985) F231 MK2  | 11 AND HIGHER   | X $X$ $X$ $X$                                 | 6/85AA   |
| CDN/3010/B(M)  | 11 2003.03.31   |                    | OCI QUAD CO-60 SOURCE CONTAINER  | 001   | X X X X                                       | 6/73AA   |
| CDN/3012/B(M)  | 6 2002.09.30  |                    | MDS NORDION F-279 SHIPPING FLASK   | 1 10 5  | XXXX  | 0//JAA   |

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF   | REV   | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS   | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   |  |
|--|---|--|---|--|--|---------------------------------------|--|
| CDN/4212/B(U)F CDN/4213/AF CDN/4214/AF CDN/5183/XT CDN/5198/X CDN/5222/X CDN/5222/X CDN/5224/X CDN/5228/X CDN/5228/X CDN/5228/X CDN/5229/X CDN/6030/-85 CDN/E030/-85 CDN/E030/-85 CDN/E044/-85 CDN/E056/ CDN/E066/ CDN/E106/ CDN/E106/ CDN/E106/ CDN/E106/ CDN/E106/ CDN/E106/ CDN/E139/ CDN/E139/ CDN/E136/-85 CDN/E160/-85 CDN/E160/-85 CDN/E160/-85 CDN/E160/-85 CDN/E160/-85 CDN/E160/-85 CDN/E160/-85 CDN/E160/-85 CDN/E170/-85 CDN/E170/-85 CDN/E170/-85 CDN/E170/-85 CDN/E180/-85 CDN/E1919/-85 CDN/E201/-85 | 1 2003.11.30<br>10 2003.12.31<br>1 2003.12.31<br>0 2002.09.15<br>1 2003.01.31<br>0 2003.12.31<br>1 2001.12.31<br>0 2005.04.30<br>1 2003.08.17<br>0 2001.12.31<br>0 2004.12.16<br>1 2006.03.31<br>0 2002.09.30<br>0 2006.09.06<br>0 2004.04.30<br>0 2003.09.30<br>0 2003.09.30<br>0 2003.09.30<br>0 2001.12.31 | GB/0666AY/B(U) USA/9157/B(U) USA/9157/B(U) B/30/B(U)F USA/9203/AF USA/5796/B(U) USA/0411/AF J/61/B(U)F-85 USA/4909/AF USA/9217/AF USA/925/B(U)-85 USA/925/B(U)-85 USA/925/B(U)-85 USA/9239/AF USA/9239/AF USA/9239/AF USA/9239/AF USA/9239/AF USA/9239/AF USA/926/B(U)-85 USA/926/B(U)-85 USA/926/B(U)-85 USA/926/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9283/B(U)-85 USA/9282/B(U)-85 USA/9282/B(U)-85 USA/9282/B(U)-85 USA/9282/B(U)-85 USA/9282/B(U)-85 USA/9296/B(U)-85 | 11 33 10 15 11 11 11 11 11 11 11 11 11 11 11 11 | AECL 4H SHIPPING PACKAGE CRNL MODEL 4HL, SERIAL NO. 001 AECL MAPLE-4 SHIPPING PACKAGE VARIOUS TYPE "A" PACKAGING MDS NORDION GAMMACELL 20 MDS NORDION GAMMACELL 20 MDS NORDION GAMMACELL 20 MDS NORDION GAMMACELL 220 IRRAD GAMMACELL 10 IRRADIATOR 3 US-DOT SPECIFICATION 1A2 AMERSHAM 741 & E. A. AE. B. BE 5 AEA TECHNOLOGY MODEL NO. 741-0P AEA TECHNOLOGY GBO-0P PACKAGE 5 SPEC C-1 SOURCE CHANGER (F-365) GAMMAMAT M10 EXPOSURE DEVICE 5 AMERSHAM 771 SOURCE CHANGER 8 AMERSHAM 920 RADIOGRAPHY DEVICE 9 AMERSHAM INT'L PLC 0666AY 6 INDUSTRIAL NUCLEAR MODEL IR-100 8 TNB-0145 SHIPPING CONTAINER 9 FRAMATOME COGEMA FUELS DHTF 12 ADVANCED MED SYSS 181375,181361 5A,5B,8A,12A,12B,30B,48A,F,X & Y JRC-80Y-20T PACKAGE DOT 21PF-1A & 21PF-1B OVERPACKS 2 ADVANCED NUCLEAR FUEL CO. LTD. BU-J JURF-90Y-950K SHIPPING CONTAINER MODEL UX-30 OVERPACK 3 AMERSHAM PLC MODEL 3300A JAERI TPL-92Y-450K 3 NNFD 5X22 SHIPPING CONTAINER NUCLEAR FUEL INDUSTRIES NT-1X CROFT ASSOCIATES MODEL NO. 2773A 6 SPEC-150 RADIOGRAPHY CAMERA 9 WESTINGHOUSE MCC-3, MCC-4, MCC-5 MDS NORDION NE4C SOURCE CHANGER 10 NAC-LWT SHIPPING CONTAINER 10 SECTION OF ACCOUNTAINER 11 SECTION OF ACCOUNTAINER 12 CONTAINER 13 AND TSI 3/1 14 SECTION OF ACCOUNTAINER 15 SECTION OF ACCOUNTAINER 16 SAEA 650L SOURCE CHANGER 17 SECTION OF ACCOUNTAINER 18 SECTION OF ACCOUNTAINER 19 SECTION OF ACCOUNTAINER 20 SECTION OF ACCOUNTAINER 21 SECTION OF ACCOUNTAINER 22 CNS 10-160B CASK; TP-01 & TP-02 23 MDS NORDION MODEL NO. F-294 24 BU-D TRANSPORT CONTAINER 25 SECTION OF ACCOUNTAINER 26 SECTION OF ACCOUNTAINER 27 SECTION OF ACCOUNTAINER 27 SECTION OF ACCOUNTAINER 28 COST OF ACCOUNTAINER 29 SECTION OF ACCOUNTAINER 29 SECTION OF ACCOUNTAINER 20 SECTION OF ACCOUNTAINER 20 SECTION OF ACCOUNTAINER 21 SECTION OF ACCOUNTAINER 21 SECTION OF ACCOUNTAINER 22 SECTION OF ACCOUNTAINER 23 SECTION OF ACCOUNTAINER 24 SECTION OF ACCOUNTAINER 25 SECTION OF ACCOUNTAINER 26 SECTION OF ACCOUNTAINER 27 SECTION OF ACCOUNTA | 1 TO 8 001 ALL  MOUSATRON 4 F1 133 1035  ALL ALL ALL ALL ALL ALL ALL ALL ALL A | X X X X X X X X X X X X X X X X X X X | 6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| CDN/E206/-85   | 0 2000.00.01  | USA/9299/B(U)-85   | ·   | MDS NORDION F-423 PACKAGE  |  | XXXX                                  | J, JJ, V,  |

#### CZECH REPUBLIC - Data provided for the period ending 16 May 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF   | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS                  | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   |  |
|---|--|--|--|---|---------------------------------------|--|
| CZ/001/B(U)-85 CZ/003/B(M)F-85 CZ/003/B(U)-85 CZ/006/B(U)-85 CZ/007/B(U)-85 CZ/011/B(U)-85 CZ/011/B(U)-85 CZ/011/B(U)-85 CZ/013/B(U)-85 CZ/013/B(U)-85 CZ/015/B(U)-85 CZ/015/B(U)-85 CZ/015/B(U)-85 CZ/020/B(M) CZ/020/B(M) CZ/021/B(M) CZ/021/B(M) CZ/022/S-85 CZ/024/IF-85 CZ/028/IF-85 CZ/028/IF-85 CZ/028/IF-85 CZ/028/IF-85 CZ/030/B(U)-85 CZ/031/AF-85 CZ/031/AF-85 CZ/033/B(U)-85 CZ/033/B(U)-85 CZ/033/B(U)-85 CZ/036-DUAL/B(U)F-8 CZ/036-DUAL/B(U)F-8 CZ/036-DUAL/B(U)-85 CZ/101/S-85 CZ/101/S-85 CZ/101/S-85 CZ/1101201/B(U)-85 CZ/15799/B(U)-85 CZ/15799/B(U)-85 CZ/15799/B(U)-85 CZ/15799/B(U)-85 CZ/1630101/B(U)F-96 | 3 2002.12.31<br>1 2002.12.31<br>2 2004.12.31<br>2 2005.12.31<br>2 2005.12.31<br>0 2005.02.15<br>2 2005.12.31<br>1 2005.12.31<br>1 2004.12.31<br>1 2005.12.31<br>1 2003.12.31<br>0 2004.08.31<br>0 2005.12.31<br>0 2005.12.31<br>0 2005.12.31<br>0 2005.12.31<br>0 2005.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31<br>0 2006.12.31 | CDN/2065/B(U)-85<br>CDN/2062/B(U)-85<br>GB/0924BZ/B(U)<br>D/2012/B(U)-85<br>RU/3006/B(U)F-96 | KM 47 K - 1x IRTM UKI-4-135 UKI - 10 P0-01/95 OS-GK 17. SKODA-UJP K-90. CHIRANA UK 12 S UK 50 S UJV-46 K-907. K-908 UKI - 4 KSV B(M) SKODA Ae 111628 LIZA TERAGAM PZ 1 OSK 0485 MEVA D/BAM/17 1293/TC NONKO SKODA 440/84 SKODA Ae 10085 KM 40 SKODA TKSV 1000 0272 MEVA GUT CONSTOR RBMK 1500 3 GAMMACELL 1000, GAMMCELL 3000 Am1.GA 3 Theratronics F147(85) 6 0924BZ Nycomed Amersham 9 GAMMAMAT TI-F 0 UK 2506-724.000 | ALL a |                                       | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85AA<br>6/85AA<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| CZ/22299B(U) -85<br>CZ/23098/B(U) -85<br>CZ/27599/B(U)<br>CZ/291/B(U)F-85<br>CZ/292102/B(U)-85<br>CZ/33296/AF<br>CZ/555202/B(U)-85<br>CZ/918400/B(U)-85   | 0 2002.06.30<br>1 2003.06.30<br>0 2001.10.31<br>0 2002.12.31<br>0 2003.12.31<br>1 2002.03.31<br>1 2002.03.31<br>0 2004.12.21<br>1 2004.03.20   | GB/2802B/B(U)F-85  | 4 2773A Croft Associates<br>8 284A<br>12 1933B Amersham International<br>1 TK-S4<br>0 3750A<br>4 2802B Croft Associate Ltd<br>7 MCC-5<br>0 LCR A627<br>9 GAMMAMAT TI   | all<br>all<br>all<br>all<br>all               | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85AA<br>6/85<br>6/85<br>6/85AA<br>6/85   |

#### **DENMARK - Data provided for the period ending 26 March 2002**

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY R R A S SERIES A O I E NUMBER I A R A L D         |
|--|--|--------------------|---|------------------------------|--|
| DK/2-0053-401 (96)<br>DK/2-3794-401 (31)<br>DK/3794-401 (28)<br>DK/78/S-85 | 0 2004.01.31<br>0 2001.07.29<br>- 2001.01.31<br>2 2002.12.31 |                    | 1 EMBRACE<br>15 NUCLEAR PACKAGING, MODEL UX-30<br>5 MODEL DHTF<br>IC. SR-12 | ALL                          | X X X X 6/85AA<br>X 6/85AA<br>X X X X 6/85AA<br>X X X X 6/85AA |

#### FINLAND - Data provided for the period ending 28 May 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF   | REV PACKAGE IDENTIFICATION                          | PACKAGE<br>SERIAL<br>NUMBERS           | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D  |
|---|--|--|---|--|---|
| FIN/STUK/11/756/00<br>FIN/STUK/21/756/01<br>FIN/STUK/7/756/00<br>FIN/STUK/A621/28<br>FIN/STUK/A621/33<br>FIN/STUK/A621/36<br>FIN/STUK/A621/39 | 0 2001.10.31<br>0 2002.01.31<br>0 2003.07.31<br>0 2002.12.31<br>0 2004.03.31<br>0 2001.12.31<br>0 2002.12.31 | CDN/2037/B(U)<br>CDN/2037/B(U)<br>GB/0666W/B(U)<br>RU/118/B(U)F-85<br>GB/3525A/AF-85<br>RU/118/B(U)F-85<br>RU/118/B(U)F-85 | 10<br>10<br>8<br>1 TK-C4<br>2<br>3 TK-4C<br>0 TK-4C | ALL<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL | X X X X 6/85AA<br>X X X X 6/85AA<br>X X X X 6/85AA<br>X X X X 6/85/AA<br>X X X X 6/85/AA<br>X X X X 5/85AA<br>X X X X X 57-1/96 |

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D |
|-----------------------|--------------------|--------------------|----------------------------|------------------------------|--|
| FIN/STUK/C621/45      | 0 2001.12.31       | D/4340/IF-85       | 1 ANF-10                   | ALL                          | X X X X 6/85AA   |
| FIN/STUK/C621/46      |                    | USA/4986/AF        | 27 RA-3                    | ALL                          | X X X 6/85AA   |
| FIN/STUK/C621/49      |                    | S/1119/IF-85       | 0 Emballage-7              | ALL                          | X X ST-1/96  |

#### FRANCE - Data provided for the period ending 24 May 2002

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY R R A S SERIES A O I E NUMBER I A R A L D |
|--|--|---|--|------------------------------|--|
| F/313/B(U)F-85 F/323/B(U)F-85 F/326/B(U)F-85 F/326/B(U)-85 F/331/B(U)-85 F/331/B(U)-85 F/331/B(U)-85 F/334/B(U)F-85 F/334/B(U)F-85 F/344/B(U)F-85 F/344/B(U)F-85 F/344/B(U)F-85 F/344/B(U)F-85 F/355/B(U)F-85 F/355/B(U)F-85 F/355/B(U)F-85 F/355/B(U)F-85 F/356/B(U)F-85 F/356/B(U)F-85 F/356/B(U)F-85 F/356/B(U)F-85 F/363/B(U)F-85 F/368/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/371/B(U)F-85 F/363/B(W)F-85 F/363/B(W)F-85 F/363/B(W)F-85 F/363/B(W)F-85 F/584/B(W)F-85 F/684/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/686/B/AF-85 F/6 | F1 2001.12.31 Fm 2001.12.31 Gn 2003.06.30 Cg 2002.09.30 Ef 2002.07.31 Aa 2005.06.30 Ab 2005.03.01 Cc 2005.09.01 Cd 2007.01.31 Bi 2005.05.33 Ab 2005.03.31 Ee 2006.09.30 BC 2003.12.31 Aa 2005.01.31 Aa 2005.06.30 Ab 2002.07.01 Aa 2003.12.31 Aa 2002.07.01 Aa 2005.06.30 Ab 2002.07.01 Aa 2005.06.30 Ab 2002.08.31 Bj 2007.04.30 Ab 2002.08.31 Bj 2007.04.30 Ab 2002.09.01 Aa 2005.06.15 Ab 2002.01 Aa 2005.06.15 Ab 2002.07.01 Aa 2005.06.15 Ab 2002.07.01 Aa 2004.03.31 Ac 2004.01.05 Bd 2006.09.30 Aa 2004.01.05 Bd 2006.09.30 Aa 2004.01.31 Ac 2004.01.31 Ac 2004.01.31 Ac 2004.01.31 Ac 2004.03.31 | GB/3170A/B(M)F<br>GB/3170A/B(M)F<br>GB/3170A/B(M)F<br>USA/9196/AF<br>GB/1146AB/B(M)F<br>GB/1146AB/B(M)F<br>GB/1146AD/B(M)F-85<br>GB/1146AD/B(M)F-85<br>GB/1146AD/B(M)F<br>GB/1146AD/B(M)F<br>GB/1146AD/B(M)F<br>GB/1146AD/B(M)F<br>GB/1146AD/B(M)F<br>GB/1146AP/B(M)F<br>GB/1146AP/B(M)F<br>GB/1146AP/B(M)F<br>GB/1146AP/B(M)F<br>GB/1146AP/B(M)F<br>GB/3314C/B(U)F-85<br>J/156/AF-85<br>D/4318/B(U)F-85<br>USA/9034/AF-85<br>USA/9037/AF-85<br>USA/4909/AF | TN-BGC 1 TN BGAMINI OU RD39 TN 24 VL FS 69 FCC 3 FCC 4 RD15/IIB FS65-1300 FS65-1300 FS65-1300 FS65-1300 FS65-1300 FS65-1300 FN-BGC 1 TN-BGC 1 TN-BGC 1 TN-BGC 1 TN-BGC 1 TN-BGC 3 TN-BGC 1 TN-BG | SERIAL                       | R R A S SERIES<br>A O I E NUMBER<br>I A R A            |
| F/666/X<br>F/667/X   | X 2002.08.22<br>X 2003.06.30   |   | NT-IX<br>R52   |                              | X X 6/85AA<br>X X 85                                   |

FRANCE (cont.)

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD | SAFETY<br>SERIES<br>NUMBER |
|-----------------------|--------------------|--------------------|----------------------------|------------------------------|-------------------------------------|----------------------------|
| F/672/X               | x 2003.06.28       |                    | TN 6-3                     |                              | х х                                 | 6/85                       |
| F/675/X               | X 2002.06.30       |                    | RA-3D                      |                              | Χ                                   | TS-R-1                     |
| F/677/X               | X 2002.05.31       |                    | R62                        |                              | Χ                                   | TS-R-1                     |
| F/678/X               | X 2002.06.30       |                    | NCI-21PF-1                 | 487 to 619                   | х х х                               | TS-R-1                     |
| F/679/X               | X 2003.03.01       |                    | FS 67                      |                              | ΧХ                                  | TS-R-1                     |
| F/682/X               | X 2003.02.27       |                    | NT-IX                      |                              | х х                                 | TS-R-1                     |
| F/683/X               | X 2004.12.31       |                    | MCC-4                      |                              | Χ                                   | TS-R-1                     |
| F/685/X               | X 2002.08.30       |                    | CASTOR S1                  |                              | X X X                               | TS-R-1                     |
| F/728/B(U)F T         | e 2003.12.31       | USA/9234/B(U)F     | 10 NCI-21PF-1              |                              | X X X                               | 6/73AA                     |
| F/730/B(M)-85T        | f 2003.12.31       | GB/3305A/B(M) T    | 10 MAGNOX                  |                              | Χ                                   | 6/73                       |
| F/730/B(M)T           | g 2003.12.31       | GB/3305A/B(M)-85   | 10 MAGNOX                  |                              | Χ                                   | 6/73                       |
| F/735/B(U)F-85        | a 2002.05.31       | D/4329/B(U)F-85    | 1 CASTOR HAW 20/28 CG      |                              | х х х                               | 6/85AA                     |
| F/736/H(M)-96         | a 2002.03.31       | USA/0592/H(M)-96   | 0 48X et 48Y               |                              | X X X                               | TS-R-1                     |
|                       | b 2003.12.31       | USA/0592/H(M)-96   | 0 48X et 48Y               |                              | ХХХ                                 | TS-R-1                     |

#### **GERMANY - Data provided for the period ending 22 May 2002**

|  | •  | •                  | •  |                              |   |  |
|--|--|--------------------|--|------------------------------|---|--|
| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D |  |
| D/0009/S-85 D/0044/S-85 D/0044/S-85 D/0046/S-85 D/0046/S-85 D/0060/S-85 D/0066/S-85 D/0066/S-85 D/0066/S-85 D/0069/S-85 D/0070/S-85 D/0071/S-85 D/0073/S-85 D/0073/S-85 D/0074/S-85 D/0074/S-85 D/0077/S-85 D/0077/S-85 D/0078/S-85 D/0081/S-85 D/0081 | 3 2001.12.31 3 2006.04.23 1 2001.02.15 3 2002.08.28 2 2006.12.03 1 2001.07.10 1 2002.02.28 1 2001.06.15 0 2001.06.15 1 2002.03.31 0 2003.10.31 0 2003.03.31 0 2003.10.31 0 2002.12.31 0 2002.12.31 0 2005.07.24 0 2003.10.31 0 2004.02.28 0 2005.07.24 0 2003.10.31 0 2006.01.23 0 2006.01.23 0 2006.03.31 11 2003.08.31 12 2005.06.30 0 2006.03.31 13 2003.10.31 0 2004.02.28 0 2005.07.24 0 2003.03.30 0 2006.03.30 0 2006.03.30 11 2003.04.30 0 2004.03.20 9 2004.03.20 | USA/0392/S         | MELDEREINSATZ FES 5B GAMMA STRAHLER VZ-476 GAMMA-STRAHLER VZ-803 MICRO SELECTRON HDR/PDR GAMMAMED-STRAHLER AM-241 SOURCE Aml.P08, Aml.P081 CS-137 SOURCE CS7.K01, CS7.P13 AM-BE NEUTRON SOURCE Aml.N03 CO-60 SOURCE CO0.P02 MICRO SELECTRON PDR/HDR AMl.K17-n, Aml.B17-m, Aml.B27-n CO-60 SOURCE CC0.P13 CS-137 SOURCE CS7.P17 CO-60 SOURCE CO0.P05-2 STRAHLERKAPSEL GAMMAMED PLUS CS-137 SOURCE CS7.P05-3 VZ-92/3, VZ 1726 5 SERIES 875 CAPSULE SOURCE Ir2.A77-1, Ir2.A77-2 Ir-192 SOURCE Ir2.A78 R2. R3. R4. R35. R38. GSTK2 GSR-CS137/A, GSR-CS137/B VZ-64/1, -1486/3, -79/1, -1508/2 TransportbehälterS 1747 Isotopen-ArbeitsbehälterCO 30 Isotopen-ArbeitsbehälterCO 100 Transport- und Wechselbehälter 1 Gammamat TI-F G | 2 up to 01065                | X X X X X X X X X X X X X X X X X             | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| D/2083/B(U)-85   | 1 2001.08.15   |                    | Mosaik II-15 -> see comments   |                              | ХХ  | 6/85   |

| CERTIFICATE REV EXPIRY<br>NUMBER DATE   | REVALIDATION<br>OF   | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS     | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   |  |
|---|--|--|----------------------------------|---------------------------------------|--|
| D/2086/B(U)-85 1 2002.09.30<br>D/2087/B(U)-85 0 2002.08.19<br>D/2088/B(U)-85 1 2004.01.05<br>D/2090/B(U)-85 1 2004.03.08<br>D/2091/B(U)-85 0 2001.04.30   |  | GA-01<br>Guácontainer Typ VII<br>MOSAIK II-15 P/U<br>MOSAIK II-15 EI, II-15 U EI<br>MOSAIK II-15/10F   |                                  | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/85<br>6/85                 |
| D/3079/B(U) 3 2003.07.31<br>D/3080/B(U) 1 2003.07.31  |  | Pb 250 B(U) der GASS 500 18 F-112, F-113 Ship, Contain. 5 Model No. NPI-20WC-6 MkII 8 Design No. 0666W 8 Design No. 0666S 12 Design No. 1933B                        | 01                               | X X X X X X X X X X X X X X X X X X X |  |
| D/3085/B(U)     2 2001.08.31       D/3086/B(U)     3 2004.10.31       D/3087/B(U)     3 2004.10.31       D/3095/B(U)-85     3 2003.03.31       D/3105/B(U)     2 2001.04.20                           | GB/1934A/B(U)<br>GB/3231A/B(U)<br>GB/3231B/B(U)<br>CDN/2065/B(U)-85<br>F/220/B(U)                      | 8 Design No. 1934A 7 Design No. 3231A 6 Design No. 3231B 3 Gammacell 1000, Gamacell 3000 Ic D80161   | 42 and up                        |                                       | 6/85<br>6/73AA<br>6/73AA<br>RID/ADR<br>6/85  |
| D/3115/B(U)       2 2001.09.30         D/3116/B(U)       1 2001.12.31         D/3117/B(U)       1 2001.12.31         D/3118/B(U)       1 2001.10.31   | USA/9150/B(U)-85<br>GB/0666AY/B(U)<br>GB/1935A/B(U)<br>GB/1935B/B(U)<br>GB/1933A/B(U)<br>GB/1936N/B(U) | 4 PAT-2<br>9 Design No. 0666AY<br>7 Design No. 1935A<br>7 Design No. 1935B<br>9 Design No. 1933A<br>6 Design No. 1936N   |                                  | X                                     | 6/85<br>6/73AA<br>6/73AA<br>6/73AA<br>6/73AA |
| D/3120/B(U)-85     1 2003.11.30       D/3121/B(U)     0 2001.08.31       D/4052/IF-85     7 2002.02.28       D/4129/AF-85     3 2001.02.28       D/4155/B(U)F-85     8 2004.05.31                     | CDN/2074/B(U)-85<br>CDN/2051/B(U)  | 1 various, see cert<br>5 F-271 Transport Package<br>Beh"lter f r RHF-BE (RHF-TB)<br>BE-Transportbeh. Typ II.III<br>Transp.u.Lagerbehälter CASTOR Ic                  |                                  | X X X X X X X X X X X X X X           | RID/ADR<br>6/73AA<br>6/85<br>6/85<br>6/85    |
| D/4160/B(U)F-85 7 2004.04.30<br>D/4167/B(U)F-85 5 2003.04.27<br>D/4174/B(M)F-85 7 2002.07.31<br>D/4193/B(U)F-85 2 2004.05.18<br>D/4197/B(U)F-85 2 2004.08.03<br>D/4214/B(U)F-85 7 2003.09.28          |  | TN 7-2 Transp.u.Lagerbeh. CASTOR IIa Verpackung f r unbestr. MOX-DWR CASTOR KRB-MOX TransportbehälterBG 18 CASTOR THTR/AVR   | 1 and 2<br>01 SGR<br>01,04,05,06 | X X X<br>X X X<br>X X X               | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| D/4224/B(U)F-85 4 2002.08.31<br>D/4225/B(U)F-85 0 2002.04.06<br>D/4226/B(U)-85 2 2004.10.31<br>D/4229/B(U)F-85 10 2003.07.17<br>D/4270/B(U)F-85 5 2001.01.31  |  | TransportbehälterGNS 11<br>TN 900/1-21<br>Transp.u.Lagerbeh. CASTOR BARRE<br>CASTOR S1<br>TN 7-2   | version A                        | X X X<br>X X X<br>X X X<br>X X X      | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| D/4280/AF-85  |  | BU-D Beh"lter<br>MTR-BE TransportbehälterMTR-D<br>Verp. fr unbestr. MOX-BE Beznau<br>Transportsystem SWR-MOX-BE<br>Typ BU-D  |                                  | X X X X                               | 6/85<br>6/85<br>6/85                         |
| D/4305/AF-96  |  | Typ BU-D RA-3D Shipping Container CASTOR X/28F CASTOR 440/84 CASTOR V/19 CASTOR MTR2   | 1 to 5                           | X X X<br>X X X<br>X X X               | ST-1<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| D/4316/B(U)F-85     2 2003.06.16       D/4317/B(U)F-85     3 2004.04.17       D/4318/B(U)F-85     3 2004.08.31       D/4319/B(U)F-85     3 2005.03.11       D/4323/B(U)F-85     5 2004.04.18          |  | Neutronenquellencontainer<br>Transp.u.Lagerbehälter TS 28 V<br>CASTOR HAW 20/28 CG<br>CASTOR V/52<br>CASTOR V/19   | 01 to 15<br>6 and up             | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| D/4324/B(U)F 0 2003.12.31<br>D/4324/B(U)F-96 2 2007.03.31<br>D/4326/B(U)F-85 3 2005.01.31<br>D/4327/AF-85 3 2001.06.30<br>D/4328/B(U)F-85 1 2003.07.21<br>D/4329/B(U)F-85 2 2005.03.18                |  | EINZEL-SNR-BE BEH"LTER (ESBB)<br>Einzel-SNR-BE-Behälter (ESBB)<br>TransportbehälterGNS 16<br>Transportbehälter"ABB ATOM"<br>CASTOR 440/84 mvK<br>CASTOR HAW 20/28 CG | 16 and up                        | X X X X X X X X X X X X X X X X X X X | 6/85<br>ST-1<br>6/85<br>6/85<br>6/85<br>6/85 |
| D/4330/IF-85       3 2003.12.31         D/4331/B(U)F-85       0 2002.04.06         D/4332/B(U)F-85       0 2002.04.06         D/4335/AF-85       0 2001.08.31         D/4336/IF-85       0 2001.06.30 |  | BE-TB Typ III-Edelstahl<br>TN 900/1-21<br>TN 900/1-21<br>BE-Transportbeh. Typ II.III<br>BE TransportbehälterTyp KWO  | version B<br>version C           | X X X<br>X X X<br>X X X X<br>X X X X  | 6/85<br>6/85<br>6/85<br>6/85<br>6/85         |
| D/4337/IF-85  |  | BE-TransportbehälterTyp V BE-TB Typ III-Edelstahl TransportbehälterANF 10 Transp.u.Lagerbeh. CASTOR IIb/9 TN 7-2 BE-Transportbehälter ABB-Atom                       |                                  | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>ST-1 |
| D/5307/AF       38 2003.12.31         D/5309/B(U)F       4 2002.09.30         D/5324/B(U)F-85       17 2004.06.30         D/5327/B(U)F       5 2002.06.30   | USA/9196/AF-85<br>F/201/B(U)F<br>F/274/B(U)F-85  | 21 Model No. UX-30<br>Hc TN 6/2<br>Ip TN 13/2<br>18 TNB 0145<br>Gg TN 10/1 (TN 13/1)   |                                  |                                       | 6/85<br>6/73AA<br>6/85<br>6/73AA<br>6/85     |

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF   | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS    | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
|--|---|--|--|---------------------------------|---------------------------------------|--|
| D/5336/AF-85<br>D/5338/AF<br>D/5342/B(U)F<br>D/5343/B(U)F-85<br>D/5344/AF<br>D/5346/B(U)F-85<br>D/5365/AF<br>D/5367/B(U)F-85<br>D/5376/B(U)F-85<br>D/5379/B(U)F-85<br>D/5382/B(U)F-85<br>D/5383/B(M)F-85<br>D/5384/B(U)F-85<br>D/5384/B(U)F-85<br>D/5384/B(U)F-85<br>D/5384/B(U)F-85<br>D/5384/F-85<br>D/5392/IF-85<br>D/5394/IF-85<br>D/5394/IF-85<br>D/5395/B(M)F-85<br>D/5395/B(M)F | 4 2001.05.13 18 2003.07.01 23 2003.12.31 6 2002.08.15 12 2006.06.30 9 2001.03.15 4 2001.12.31 1 2003.12.31 2 2001.12.31 1 2001.04.12 0 2002.05.31 0 2004.03.31 0 2003.12.31 1 2004.12.31 1 2004.12.31 0 2005.01.31 0 2005.01.31 0 2004.03.31 0 2004.03.31 0 2004.03.31 0 2004.03.31 | J/79/AF-85<br>USA/4909/AF<br>USA/9234/B(U)F<br>F/271/B(U)F-85<br>USA/9217/AF<br>F/270/B(U)F-85<br>USA/9225/B(U)F-85<br>J/111/B(U)F-85<br>J/61/B(U)F-85<br>AUS/20/B(U)F-85<br>GB/3314C/B(U)F-85<br>GB/1146AB/B(M)F-85<br>F/352/B(U)F-85<br>F/352/B(U)F-85<br>F/373/IF-85<br>F/349/IF-85<br>F/349/IF-85<br>GB/1146AC/B(M)F-85<br>GB/1146AC/B(M)F | 1 BU-J 15 21PF-1A. 21PF-1B 11 Model No. NCI-21PF-1 Hi TN 12/2 12 ANF-250 Hn TN 17/2 12 Model No. MCC-3.4.5 21 NAC-LWT     JMS-87Y-18.5T     JRC-80Y-20T 1 Model No. LHRL-120 2 design no. 3314 (Excellox 6) 1 NTL 11 Transport Flask Ab COG-OP-30B overpack Aa FS65-1300 Ab CERCA 01 Aa FCC-3 Aa FCC-4 1 Embrace 1 NTL 11 Transport Flask 1 NTL 11 Transport Flask | 3. 4. 5<br>3.4.5<br>1. 2<br>1.2 | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/73AA<br>6/73AA<br>6/85<br>6/73AA<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| D/ 2030/ D(II)F  | 0 2004.03.31  | GD/ 1140AC/ D(II)F   | T MIT II HAHSholf Llask  | ⊥,∠                             | v v v                                 | U//JAA   |

#### **HUNGARY - Data provided for the period ending 24 May 2002**

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS   | MODES<br>RRAS<br>AOIE<br>IARA<br>LD | SAFETY<br>SERIES<br>NUMBER   |
|---|--|--------------------|---|--|-------------------------------------|--|
| H/006/B(U)-85<br>H/009/S-85<br>H/013/B(U)-85<br>H/019/B(U)-85<br>H/022/B(U)-85<br>H/022/B(U)-85<br>H/023/B(U)-96<br>H/023/B(U)-85<br>H/023/B(U)-85<br>H/030/B(U)-85<br>H/030/B(U)F-85<br>H/030/B(U)F-85<br>H/053/S-85<br>H/061/B(U)-85<br>H/065/S-85<br>H/066/S-85<br>H/074/B(U)-85<br>H/075/S-85<br>H/075/S-85<br>H/076/S-85 | 9 2004.05.10 3 2005.03.31 3 2001.04.24 3 2002.12.31 1 2001.12.31 0 2004.12.21 1 2001.12.31 1 2001.12.31 1 2001.12.31 1 2002.12.31 1 2005.03.31 0 2004.05.03.31 0 2005.12.31 0 2005.12.31 | RU/118/B(U)F-85    | IBU-180 22H TYPE CAPSULE IBU-180-2 RI-4500 SZT-01 SZT-01 SZT-02 SZT-02 TR-21 TR-22 DIK-01 2 TK-SZ4 B2-12 COS-15 HH DIK-01/A IrS-48H COS-61 HH DIK-02 TAK-21 AMS-62 H CSS-66 H | 003 to 007, ++  01, 021 to 024  01, 02, 021  024-028, ++  024-028, 034,  001-023, ++  001-023,  005  001-004  01  01 | X X X                               | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>TS-R-1<br>6/85AA<br>TS-R-1<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |

#### INDIA - Data provided for the period ending 6 June 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS                                       | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER                           |
|---|--|--------------------|---|--|---|--|
| IND/013/B(U)-85<br>IND/014/B(U)-85<br>IND/015/B(U)-85<br>IND/016/B(U)T-85<br>IND/02/B(M)<br>IND/04/B(M)<br>IND/10/B()T-85<br>IND/11/B(M)-85 | 0 2002.11.30<br>0 2002.11.30<br>0 2002.11.30<br>0 2004.08.31<br>5 2003.12.31<br>5 2003.12.31<br>2 2003.12.31<br>3 2003.12.31 |                    | BLOOD IRRADIATOR 2000 (B1-2000) PANBIT FP-100K BIO CELL 3000 BLOOD IRRADIATOR BRIT LEAD CONTAINER BLC-100 GC-900 (GAMMA CHAMBER 900) GC-4000A (GAMMA CHAMBER 4000A) COF-285 TRANSPORT FLASK ROLI-1 (RADIOGRAPHY CAMERA) | ALL<br>ALL<br>ALL<br>1 to 73<br>1 TO 26<br>1.2.4<br>91001 to 91059 | X X X X X X X X X X X X X X X X X X X         | 6/85<br>6/85<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | R R A S SE | AFETY<br>ERIES<br>JMBER |
|-----------------------|--------------------|--------------------|----------------------------|------------------------------|------------|-------------------------|
| IND/11/B(U)-85        | 3 2003.12.31       |                    | ROLI-1 (RADIOGRAPHY CAME   | ERA) 94060 AND UP            | X X X X 6/ | ′85AA                   |
| IND/12/B(U)-85        | 2 2004.03.31       |                    | GAMMA CHAMBER 5000         | ALL                          | X X X X 6/ | ′85AA                   |

#### ITALY - Data provided for the period ending 24 May 2002

| CERTIFICATE<br>NUMBER    | REV EXPIRY<br>DATE         | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY R R A S SERIES A O I E NUMBER I A R A L D |
|--------------------------|----------------------------|--------------------|----------------------------|------------------------------|--|
| I/105/B(U)<br>I/108/B(U) | 7 2002.12.3<br>7 2002.12.3 |                    |                            | ALL<br>ALL                   | X X X X 6/73AA<br>X X X X 6/73                         |

#### JAPAN - Data provided for the period ending 6 June 2002

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS   | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER                                   |
|--|--|---|---|--|---------------------------------------|--|
| J/10/AF-85<br>J/1010/B(M)F-85<br>J/1011/B(M)F-85<br>J/1013/B(M)F-85<br>J/1014/B(M)F-85<br>J/1015/B(M)F-85<br>J/1016/B(M)F-85<br>J/1017/B(M)F-85<br>J/1019/B(M)F-85<br>J/1019/B(M)F-85<br>J/1020/B(M)F-85<br>J/1023/B(M)F-85<br>J/1024/B(M)F-85<br>J/1024/B(M)F-85<br>J/1024/B(M)F-85<br>J/1027/B(M)F-85<br>J/1028/B(M)F-85<br>J/1028/B(M)F-85<br>J/1028/B(M)F-85<br>J/1028/B(M)F-85<br>J/1028/B(M)F-85<br>J/1028/B(M)F-85<br>J/1028/B(M)F-85   | 0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>1 2030.01.01<br>1 2003.03.27<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01<br>0 2030.01.01 | GB/1163H/B(M)F-85T<br>F/271/B(U)F-85 EA<br>F/271/B(U)F-85 EA<br>F/271/B(U)F-85 EA<br>GB/1147M/B(M)F-85T<br>GB/1147M/B(M)F-85T<br>GB/1147M/B(M)F-85T<br>GB/1163H/B(M)F-85T<br>GB/1163H/B(M)F-85T<br>F/275/B(U)F DA<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA<br>F/271/B(U)F-85 EA<br>GB/3305A/B(M)T-85<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA<br>F/270/B(U)F-85FA | NFI-II  11 EXCELLOX-3B/3  0 TN-12A  0 TN-12A  10 EXCELLOX-4  10 EXCELLOX-4  11 EXCELLOX-4  11 EXCELLOX-3B/3  11 EXCELLOX-3B/3  P-3S(12T)  0 TN-12  0 TN-17  0 TN-17  0 TN-12B  7 TK/MK II  0 TN-17  0 TN-17  1 EXCELLOX-3B/3  0 TN-12B    | S8A10 - S31A10 ALL ALL ALL ALL ALL ALL ALL S1B102 ALL ALL ALL ALL ALL ALL ALL ALL ALL AL   | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| J/1032/B(M)F-85<br>J/1034/B(M)F-85<br>J/1035/B(M)F-85<br>J/1036/B(M)F-85<br>J/1037/B(M)F-85<br>J/105/AF-85<br>J/110/B(U)F-85<br>J/111/B(U)F-85<br>J/113/AF-85<br>J/114/AF-85<br>J/118/B(U)F-85<br>J/120/B(M)F-85<br>J/121/B(M)F-85<br>J/122/B(M)F-85<br>J/123/B(M)F-85<br>J/124/B(M)F-85<br>J/124/B(M)F-85<br>J/127/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85<br>J/128/B(M)F-85 | 0 2030.01.01   | GB/1147M/B(M)F-85T<br>F/270/B(U)F-85GK  | 10 EXCELLOX-4 EXCELLOX-4(M) 0 TN-17(M) TN-12B(M) TN-12P(M) MFC-1 MUT-87Y-15T JMS-87Y-18.5T NT-IX NT-IX NT-IX NT-IX NT-IX EXR-88 MONJU-F JRF-90Y-950K MSF-I HZ-75T HZ-75T HZ-75T HZ-75T-A MS-1 HZ-75T-ATR-A UOX/D PIE-SA RCC-3(A) 1 TN28VT | MS190-193B(M)F  S1A105-S80A105  S1B111-S4B111 SEE CERT! SEE CERT! SEE CERT! SEE CERT! S1A114-S27A114 S1B118-S12B118  S1B120.S2B120 S1B121.S2B121 S1B122.S2B122 S1B123.S2B123 S1B124 S1B126.S2B126 S1B127.S2B127  S1A129.S2A129 S1B130.S2B130 | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| J/132/IF-85<br>J/134/AF-85   | 1 2001.02.23<br>2 2003.10.06<br>3 2003.07.17   |   | UOX/C<br>NFI-V<br>NFI-V   | *1<br>S1A134-S12A134<br>S1A134-S12A134   | Х<br>Х Х                              | 6/85   |

JAPAN (cont.)

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE  | REVALIDATION<br>OF             | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS  | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
|---|---|--------------------------------|--|---|---------------------------------------|--|
| J/135/B(M)F-85  J/136/B(M)F-85  J/137/B(M)F-85  J/138/B(M)F-85  J/139/B(M)F-85  J/140/B(M)F-85  J/141/B(M)F-85  J/142/B(U)F-85  J/146/B(U)F-85  J/146/B(U)F-85  J/146/B(U)F-85  J/149/B(M)F-85  J/150/B(M)F-85  J/155/B(M)F-85  J/155/B(M)F-85  | 2 2004.01.21<br>3 2003.12.31<br>2 2004.01.21<br>3 2003.12.31<br>3 2003.12.31<br>4 2003.12.31<br>0 2003.12.31<br>0 2003.12.31<br>0 2003.11.00<br>2 2002.08.30<br>2 2001.01.21<br>2 2005.02.11<br>2 2004.06.03<br>0 2001.10.01<br>1 2002.08.09<br>3 2004.05.28<br>2 2002.12.26<br>0 2002.02.25<br>2 2002.02.25            | USA/0558/B(U)F-85              | NFT-38B NFT-32B NFT-32B NFT-32B NFT-12B NFT-12B NFT-14P NFT-10P HZ-75T-A Type NFI-XB RAJ-II TOSS TOSS TOSS TN-9180/A 0 JMS-87Y-18.5T TN-9121/B TN-9121/B RU-1 RU-1   | S1B137-S7B137  SEE CERT!  S1B141.S2B141 S1B142  S1B146 S1B146 S1B147 S1B149-S12B149 S1B150.S2B150 S1B151-S8B151   | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85   |
| J/156/AF-85<br>J/156/AF-86<br>J/157/B(U)F-85<br>J/158/AF-96<br>J/158/AF-85<br>J/162/B(U)F-85<br>J/162/B(U)F-85<br>J/163/AF-96<br>J/20/AF-85<br>J/2002/H(U)-96<br>J/26/AF-85<br>J/27/AF-85<br>J/35/AF-85<br>J/35/AF-85<br>J/42/B(M)F-85<br>J/57/AF-85<br>J/57/AF-85<br>J/57/AF-85<br>J/57/AF-85<br>J/57/AF-85<br>J/57/AF-85<br>J/57/AF-85<br>J/68/B(M)F-85<br>J/73/AF-85<br>J/73/AF-85<br>J/74/AF-85<br>J/74/AF-85 | 0 2002.09.12 0 2004.11.19 0 2003.04.04 0 2004.09.27 0 2003.10.19 0 2004.06.28 1 2003.12.31 0 2005.04.02 2 2002.06.06 0 2005.32.55 2 2002.08.22 2 2003.05.10 3 2003.08.17 1 2004.06.21 3 2003.08.24 0 2003.05.29 1 2002.07.27 1 2004.06.28 0 2003.05.11 1 2004.06.28 0 2003.05.11 1 2004.06.28 1 2002.05.27 1 2004.06.28 | USA/9294/AF-85<br>USA/4909/AF  | RAJ III TYPE RAJ III TYPE JMS-87Y-18.5T  3 GLOBAL NUCL. FUEL MODEL NPC MST 30 BNFL 3320 TYPE JMS-87Y-18.5T FS-47 RAJ TYPE J/2002/H(U)-96 21PF-1  14 21PF-1 21PF-1 NFI-III NT-IV NH-25 HZ-75T NT-VII NT-VIII JRC-80Y-20T HZ-75T DOT-6M (15 Gallon) BU-J PUCON | \$18157<br>\$EE CERT!<br>\$1A26-\$264A26<br>\$1A27-\$391A27<br>\$1A28-\$253A28<br>\$1A35<br>\$1A37 `\$126A37<br>\$1842-\$4842<br>\$1848.\$2848<br>\$1A57 `\$6A57<br>\$1861-\$9861<br>\$1868, \$2868<br>\$1A73 `\$60A73<br>\$1875-\$4875 | X X X X X X X X X X X X X X X X X X X | 6/85<br>TS-R-1<br>6/85<br>6/85<br>6/85<br>TS-R-1<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| J/79/AF-85<br>J/81/B(M)F-85<br>J/82/B(M)-85<br>J/847/B(U)-85<br>J/85/B(U)F-85<br>J/92/B(U)F-85  | 1 2004.02.20<br>2 2002.08.02<br>2 2003.12.31<br>0 2002.11.19<br>2 2002.08.02<br>3 2003.11.09  | USA/0220/AF-85<br>CDN/E155/-85 | 11 BU-J<br>HZ-75T-ATR<br>NR-10<br>0 TPL-92Y-450K<br>TN6-4<br>TN6-5   | \$1881,\$2881<br>\$1882-\$3882<br>\$1885<br>\$1892  | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85<br>6/85   |

#### NETHERLANDS - Data provided for the period ending 31 May 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D   |
|---|--|---|--|------------------------------|--|
| NL/0001/B(M)F<br>NL/0039/AF<br>NL/0056/AF<br>NL/0058/AF-85<br>NL/0083/B(U)-85<br>NL/0096/B(U)<br>NL/0097/B(U)<br>NL/0105/B(U)-85<br>NL/0109/B(U)F<br>NL/0131/B(U)<br>NL/0134/B(U)<br>NL/0135/B(U) | 8 2005.02.28<br>6 2002.03.01<br>16 2003.07.01<br>16 2001.02.28<br>5 2003.12.31<br>4 2004.10.31<br>1 2001.10.31<br>2 2003.03.33<br>6 2003.12.31<br>2 2001.04.20<br>1 2003.06.30<br>1 2001.10.31 | GB/3170A/B(M)F<br>USA/0411/AF<br>USA/4909/AF<br>USA/9196/AF-85<br>GB/3300A/B(U)-85<br>GB/3231B/B(U)<br>CDN/2065/B(U)-85<br>USA/9234/B(U)F<br>F/220/B(U)<br>USA/6613/B(U)<br>GB/3231B/B(U) | 8 NTL TRANSPORT FLASK 6 Models 5A, 5B, 8A, 12A, 12B MORE 15 DOT 21PF-1A & 21PF-1B 20 NUCLEAR PACKAGING MODEL UX-30 3 S/S CONTAINER IN CAGE 6 STEEL TRANSPORT CASE 5 STEEL TRANSPORT CASE 4 NORDION GC 1000-85 AND 3000-85 11 NCI-21PF-1 IC D 80161 8 AMERSHAM MODEL 702 4 STEEL TRANSPORT CASE | ALL                          | X X X 6/85AA X X X X 6/73AA X X X X 6/85AA |

| NL/0136/AF-85   | CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF   | S  | PACKAGE<br>SERIAL<br>NUMBERS     | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER   |
|-----------------|--|--|--|--|----------------------------------|---|--|
| NL/182/B(II)-85 | NL/0138/B(U) NL/0140/B(U) NL/0152/B(U)F-85 NL/0157/B(U)F-85 NL/0158/B(U)F-85 NL/0159/B(U) NL/0168/AF-85 NL/0173/B(U)-85 NL/0175/AF-85 NL/0176/AF NL/0177/B(U) NL/0178/B(U)F-85 NL/0179/AF-85 NL/0179/AF-85 NL/0185/B(U)F-85 NL/0187/IF-85 NL/0188/B(U)-85 NL/0189/IF-85 NL/0190/X-85 NL/0192/B(U)-85 NL/0193/B(U)-85 NL/0193/B(U)-85 NL/0193/B(U)-85 NL/0195/H(M)-96 NL/180/B(U)F-85 | 4 2004.02.29<br>3 2001.10.31<br>1 2005.09.01<br>2 2001.12.31<br>0 2001.11.30<br>0 2001.10.31<br>1 2003.01.31<br>0 2005.02.01<br>1 2003.08.17<br>2 2002.03.31<br>0 2001.10.31<br>1 2005.10.31<br>0 2002.09.12<br>1 2006.02.28<br>0 2005.02.28<br>0 2004.12.31<br>0 2002.12.31<br>0 2002.12.31<br>0 2003.03.31<br>0 2002.12.31<br>0 2003.03.30<br>0 2003.03.30<br>0 2003.03.31 | CDN/1002/B(U) CDN/2042/B(U) F/334/B(U)F-85 F/313/B(U)F-85 D/4315/B(U)F-85 GB/1936M/B(U) GB/3516A/AF-85 F/359/B(U)-85 J/28/AF-85 USA/9239/AF GB/1933B/B(U) F/270/B(U)F-85 J/156/AF-85(1) GB/5096A/X-85 USA/9225/B(U)F-85 F/373/1F-85 GB/0924BP/B(U)-85 D/4337/1F-85 GB/5096A 07/X-85 D/2001/B(U)-85 GB/2842A/B(U)-85 USA/0592/H(M)-96 GB/2802B/B(U)F-85 | 18 NORDION F112, F113 16 NORDION F245 CC MARIANNE E1 TN BGC1 0 CASTOR MTR2 5 INSULATED STEEL CANISTER 3 FUEL TRANSPORT CONTAINER Aa 3 21PF-1 9 WESTINGHOUSE MCC-3, MCC-4, MCC-5 A 12 INSULATED STEEL CANISTER 10 2 2 GB/5096/X-85 Issue 3 22 NAC-LWT Ab 11 STEEL DRUM 0 BE-TransportbehälterTyp V 2 MODEL UX-30 11 TransportbehälterS 1747 6 0 MODEL 48X and 48Y CYLINDERS A | ALL S1A28-S253A28 ALL o to 01065 |   | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |

#### POLAND - Data provided for the period ending 23 April 2002

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER |
|-----------------------|--------------------|--------------------|----------------------------|------------------------------|---|----------------------------|
| PL/0002/AF            | 0 2002.03.31       | USA/9239/AF        | 11 WESTINGHOUSE MCC-5      | ALL                          | х х х   | 0,,0,,,                    |
| PL/0004/S-85          | 1 2001.12.31       |                    |                            | ALL                          | X X X X                                       | 6/85AA                     |
| PL/0005/S-85          | 0 2001.12.31       |                    |                            |                              | X X X X                                       | 6/85AA                     |
| PL/0007/S-96          | 0 2002.06.30       |                    | IR1HA                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0008/S-96          | 0 2002.06.30       |                    | IR1HB                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0009/S-96          | 0 2002.06.30       |                    | IR1YA                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0010/S-96          | 0 2002.06.30       |                    | CO1HB                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0011/S-96          | 0 2002.06.30       |                    | CO1HB                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0012/S-96          | 0 2002.06.30       |                    | CO1YA                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0013/S-96          | 0 2002.06.30       |                    | CO1YA                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0014/S-96          | 0 2002.06.30       |                    | CO1LABCDEFG                | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0015/S-96          | 0 2002.06.30       |                    | CO1HK                      | ALL                          | X X X X                                       | TS-R-1                     |
| PL/0067               | 0 2001.02.28       | CDN/1002/B(U)      | 15 F-112 and F-113         | SEE CERT!                    | X X X X                                       | 6/73AAF                    |
| PL/0069/              | 0 2001.10.31       | CDN/2037/B(U)      | 10 F-327/ F-247            | 1-10.12-41                   | X X X X                                       | 6/73AA                     |
| PL/1002/B(U)          | 4 2001.12.31       |                    | TP-1/t                     | 1 and 2                      | X X X X                                       | 6/73AA                     |

#### RUSSIAN FEDERATION - Data provided for the period ending 24 May 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS                                       | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER |
|---|--|--------------------|--|--|---------------------------------------|----------------------------|
| RU/001N/C-96<br>RU/002N/S<br>RU/003N/B(U)-85<br>RU/004N/S<br>RU/005N/S<br>RU/011N/S<br>RU/013N/B(U)-85<br>RU/013N/S<br>RU/013N/S<br>RU/014N/B(U)-85<br>RU/016N/S<br>RU/016N/T | 1 2006.10.30<br>1 2003.03.01<br>2 2003.03.01<br>1 2003.12.31<br>2 2001.08.05<br>2 2002.03.05<br>4 2003.01.20<br>1 2002.09.25<br>1 2003.08.03<br>1 2005.08.01<br>1 2002.03.05<br>1 2002.03.05 |                    | UKTIIB-RITEG-238-5.5/3.5-5.5/3.5 BT213.020 BT213.020 UKTIB-GD NK252M1 & NK248M11 NK252M2 on base of Cf-252 GIID on base of Ir-192 UKT1B-90 210.G01-NP210.G05 UKT1B-192 GK60M11, GK60M12 KM-47 TYPE B | A11<br>A11<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL<br>ALL | X X X X X X X X X X X X X X X X X X X | ST-1                       |

| CERTIFICATE<br>NUMBER   | REV    | EXPIRY<br>DATE                         | REVALIDATION<br>OF | REV | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A                                 |                          |
|---|--------|--|--------------------|-----|--|------------------------------|--|--------------------------|
| RU/017N/S<br>RU/019/T<br>RU/020N/B(U)-85                      | 1      | 2003.10.05<br>2002.04.20<br>2001.01.20 | GB/2842A/B(U)      | 1   | GK60M4<br>INSULATED STEEL CASKET<br>e14.175.015 & e14.175.015-01 | ALL                          | X X X X X X X X X X X X X X X X X X X                                  | 6/85AA                   |
| RU/020N/S<br>RU/021N/S  | 1<br>1 | 2004.12.31<br>2002.10.31               |                    |     | IBN-8-1, IBN-8-9<br>IBN-241 on Am-241 base                       | ALL<br>ALL                   | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                   | 6/85AA<br>6/85AA         |
| RU/021N/T<br>RU/022N/S<br>RU/023N/B(U)-85                     | 1      | 2002.04.20<br>2004.12.31<br>2001.01.10 | GB/2771A/B(U)      | 1   | INSULATED STEEL CASKET IBN-1 and IBN-28 UKT1B-(2.3.4)            | ALL                          | X X X X X X X X X X X X X X X X X X X                                  | 6/85AA                   |
| RU/023N2/A-85<br>RU/024N/B(U)-85                              | 0      | 2002.01.10<br>2001.01.20               |                    |     | UKT1A-60 (TYPE A)<br>UKT1B-80                                    | 267                          | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                   | 6/85AA<br>6/85AA         |
| RU/024N/S<br>RU/024N1/B(U)-85<br>RU/025N/B(U)-85              | 1      | 2004.12.31<br>2007.01.01<br>2001.01.20 |                    |     | GIT-K ON BASE OF Co-60<br>UKTIB-80<br>UKT1B-KZ-3                 | ALL<br>All                   | X X X X X X X X X X X X X X X X X X X                                  | ST-1                     |
| RU/026N/B(U)-85<br>RU/026N/T<br>RU/027N/B(U)-85               | 1      | 2001.03.20<br>2005.07.01<br>2001.03.20 |                    |     | UKT1B-10000<br>UKT1B-250-12                                      | ALL                          | X X X X<br>X X X X<br>X X X X  | 6/85                     |
| RU/028N/A-85<br>RU/028N/B(U)-85                               | 0      | 2002.06.02<br>2001.03.20               |                    |     | TUK-34 (TYPE A)<br>UKT1B-120-5                                   |                              | $\begin{smallmatrix} X & X & X & X \\ X & X & X & X \end{smallmatrix}$ | 6/85AA<br>6/85AA         |
| RU/029N/A-85<br>RU/029N/B(U)-85<br>RU/029N/T                  | 0      | 2002.06.02<br>2001.03.20<br>2004.12.01 |                    |     | TUK-35 (TYPE A)<br>UKT1B-3M<br>2835A                             | A11                          | X X X X X X X X X X X X X X X X X X X                                  | 6/85AA                   |
| RU/030N/A-85<br>RU/030N/B(U)-85<br>RU/030N/S                  | 0      | 2002.10.16<br>2001.04.15<br>2005.04.21 |                    |     | UKT-8M (TYPE A)<br>UKT1B-0.5/0050<br>SEALED CAPSULE C-1          | ALL                          | X X X X<br>X X X X<br>X X X X  | 6/85AA                   |
| RU/031N/A-85<br>RU/031N/B(U)-85                               | -0     | 2003.06.15<br>2001.05.30               |                    |     | GRK-1<br>UKT1B-26-12   | 055-008                      | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                   | 6/85AA<br>6/85AA         |
| RU/031N/T<br>RU/032N/B(U)-85<br>RU/033N/B(U)-85               | 1      | 2003.01.30<br>2006.09.06<br>2006.06.22 |                    |     | 0666AY /TYPE B)<br>UKTIB-K<br>eI4.179.009-M                      | ALL<br>A11<br>A11            | X X X X X X X X X X X X X X X X X X X                                  | ST-1<br>ST-1             |
| RU/034N/B(U)-85<br>RU/034N/S<br>RU/034N1/B(U)-85              | 4      | 2006.08.01<br>2006.07.05<br>2004.07.26 |                    |     | UKTIB-5M(KTP-5M)<br>RIT238.H03, RIT238.H04<br>UKTIB-5M           | All<br>All<br>019            | X X X X X X X X X X X X X X X X X X X                                  | ST-1                     |
| RU/034N2/B(U)-85<br>RU/035N/B(U)-85<br>RU/036N/B(U)-85        | 1      | 2004.09.23<br>2006.08.01<br>2006.08.01 |                    |     | UKTIB-5<br>UKTIB-80-6 (KP-2)<br>UKTIB-165-6 (KP-1)               | 21, 22<br>All<br>All         | X X X X<br>X X X X<br>X X X X  | ST-1                     |
| RU/037N/B(U)-85<br>RU/037N/S<br>RU/038N/B(U)-85               | 1      | 2007.01.01<br>2001.01.10<br>2007.01.01 |                    |     | UKTIB-1 TRANSPORT CAPSULE WITH Co-60 UKTIB-100                   | A11<br>ALL<br>A11            | X  X  X  X   | ST-1<br>6/85AA           |
| RU/038N/S   | 0<br>2 | 2001.01.22<br>2003.09.01               |                    |     | TRANSPORT CAPSULE KTM-01   | ALL<br>ALL                   | Х  | 6/85AA<br>6/85           |
| RU/039N/B(U)-85<br>RU/039N/S<br>RU/040N/B(U)-85               | 1      | 2007.01.01<br>2001.05.12<br>2002.01.16 |                    |     | UKTIB-120<br>CAPSULE F45.65.1484.000<br>UKT1B-3G                 | A11<br>03, 04                | X X X X X X X X X X X X X X X X X X X                                  | 6/85AA<br>6/85AA         |
| RU/040N/B(U)-96<br>RU/040N/S<br>RU/040N/T                     | 0      | 2007.01.01<br>2001.01.12<br>2001.03.31 | GB/2802B/B(U)F-85  | 1   | UKTIB-3G<br>GK60C02<br>GB/2802B                                  |                              |  | ST-1<br>6/85AA<br>6/85AA |
| RU/041N/B(U)-85<br>RU/041N/S<br>RU/042/B(M)F-85T              | 1      | 2002.03.05<br>2006.07.18<br>2004.12.31 |                    |     | GAMMARID-192<br>RITu-90<br>TUK-6                                 | ALL<br>All<br>All            | X X X X  |                          |
| RU/042/B(M)F-85T A1<br>RU/042N/B(U)-85<br>RU/043/N1/B(U)-85   | 3<br>0 | 2001.12.31<br>2002.03.31<br>2002.12.26 |                    |     | TUK-6<br>UKT1B-48A<br>UKTIB-180-1                                | All                          | X X X X  | 6/85                     |
| RU/043N/B(U)-85<br>RU/043N/T                                  | 0<br>1 | 2002.04.04<br>2002.01.24               |                    |     | UKT1B-180-1<br>0924W   | 03,06, 6M more 6.7           | X X X X<br>X X X X<br>X X X X  | 6/85AA<br>6/85AA         |
| RU/043N1/B(U)-85<br>RU/044/B(M)F-85T<br>RU/044/B(M)F-85T A1   | 2<br>2 | 2002.12.26<br>2002.12.31<br>2002.12.31 |                    |     | UKTIB-180-1 (TYPE B)<br>TUK-11BN<br>TUK-11BN                     | All<br>ALL                   | X<br>X   | 6/85<br>6/85             |
| RU/044/B(M)F-85T Ad<br>RU/044/B(M)F-85T/A1<br>RU/044N/B(U)-85 | 2      | 2002.12.31<br>2002.12.31<br>2002.04.21 |                    |     | TUK-11BN<br>TUK-11BN<br>UKT1-D11, UKT1-D1                        | A11<br>ALL<br>2391,2420,2454 | X<br>X X X X   |                          |
| RU/044N/S<br>RU/044N1/B(U)-96<br>RU/045N/B(U)-85              | 1      | 2001.11.18<br>2007.03.01<br>2002.05.21 |                    |     | GAMMA RAD.SOURCE IGI-Z-15-1<br>UKT-D11<br>UKT1B-60-1 (TYPE B)    | All<br>1,2,4                 | X X X X X X X X X X X X X X X X X X X                                  | ST-1                     |
| RU/045N/S<br>RU/046/B(U)-85<br>RU/046/B(U)F-85T               | 3      | 2001.12.31<br>2001.06.30<br>2002.08.31 |                    |     | NK-252M3<br>TUK 13V<br>TUK-13B                                   | ALL<br>ALL<br>All            | X X X X<br>X<br>X  | 6/85AA<br>6/85AA<br>6/85 |
| RU/046/B(U)F-85T Ad<br>RU/046N/B(U)-85<br>RU/046N/S           | 0      | 2002.08.31<br>2002.05.21<br>2001.12.31 |                    |     | TUK-13B<br>UKT1B-60-10 (TYPE B)<br>GI-192M3                      | All<br>1<br>ALL              | X<br>X X X X<br>X X X X  |                          |
| RU/047N/B(U)-85<br>RU/047N/S<br>RU/048/B(M)F-85T              | 0      | 2002.09.25<br>2001.12.31<br>2003.12.31 |                    |     | UKT-1B-3 (TYPE B)<br>GS75M1<br>TUK-10B                           | 02, 02<br>ALL<br>All         | $\begin{smallmatrix} X & X & X & X \\ X & X & X & X \\ X & & & &$      | 6/85AA                   |
| RU/048/B(M)F-85T Ad<br>RU/048N/B(U)-85<br>RU/048N/S           | 3<br>0 | 2003.12.31<br>2002.09.25<br>2002.04.21 |                    |     | TUK-10B<br>D80161 (TYPE B)<br>I-7                                | A11<br>201-207<br>2,5        | X<br>X X X X<br>X X X X  | 6/85<br>6/85AA           |
|   |        |  |                    |     |  |                              |  |                          |

| CERTIFICATE<br>NUMBER   | REV                        | EXPIRY<br>DATE   | REVALIDATION<br>OF               | REV | PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS           | MODES<br>RRAS<br>AOIE<br>IARA<br>LD                      |  |
|---|----------------------------|--|----------------------------------|-----|---|--|--|--|
| RU/049N/B(U) -85<br>RU/049N/S<br>RU/050/B(M)F -85T<br>RU/050/B(M)F -85T<br>RU/050N/B(U) -85<br>RU/050N/S<br>RU/051N/B(U) -85<br>RU/051N/S | 0<br>3<br>Ad 3<br>0<br>0   | 2002.12.18<br>2002.04.21<br>2003.12.31<br>2003.12.31<br>2002.11.10<br>2002.07.17<br>2002.11.10<br>2001.03.01 |                                  |     | UKT1B-150000/4100 (type B) GK60R01. GK60R0 TUK-10B-1 TUK-10B-1 UKT111B-Pu-0.3 (TYPE B) RU/050N/S UKT111B-Pu-0.9 (TYPE B) KTM-02 | All<br>All<br>All                      | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/85<br>6/85<br>6/85AA<br>6/85AA   |
| RU/052/B(M)F-85T<br>RU/052/B(U)F-85T<br>RU/052/B(U)F-85T<br>RU/052/B(U)F-85T<br>RU/052N/B(U)-85<br>RU/053/B(U)FT<br>RU/053N/B(U)-85       | 3<br>3<br>Ad 3<br>3<br>3   | 2002.12.31<br>2002.12.31<br>2002.12.31<br>2002.11.10<br>2003.12.31<br>2002.11.26                             |                                  |     | TUK-13/1B<br>TUK-13/1B<br>TUK-13/1B<br>UKT1B-250M (TYPE B)<br>TUK-19<br>UKT1B-40-6 (type B)                                     | ALL<br>All<br>All<br>004-015           | Χ  | 6/85AA<br>6/85<br>6/85<br>6/85<br>6/73       |
| RU/054N/B(U) -85<br>RU/054N/S<br>RU/055/B(U)F-85T<br>RU/055N/B(U)-96<br>RU/055N/S<br>RU/055N/T  | 0<br>1<br>2<br>1<br>0      | 2003.03.21<br>2001.01.20<br>2003.06.30<br>2004.02.04<br>2003.01.20<br>2002.05.12                             |                                  |     | UKTIB-0.3-0090 (TYPE B)  TUK-19/1 UKTIB-85-4 RU/055N/S KT-1-15  | All<br>All                             | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/85AA<br>6/85<br>ST-1<br>6/85AA   |
| RU/056N/B(U) - 96<br>RU/056N/S<br>RU/057N/B(U) - 85<br>RU/057N/S<br>RU/057N/T<br>RU/058N/B(U) - 96  | 1<br>0<br>2<br>1           | 2004.07.05<br>2003.04.20<br>2004.09.02<br>2003.08.03<br>2004.03.05<br>2005.03.15                             |                                  |     | UKTIIB(U)313-1, UKTIIB(U)495<br>GK60C03<br>UKT11B-RIREG-238-9<br>KRP<br>GZR<br>UKTIB(U)-96-7                                    | 650-655<br>All<br>ALL<br>All           | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/86AA<br>ST-1<br>6/85AA           |
| RU/058N/S<br>RU/059N/B(U)-96<br>RU/059N/S<br>RU/059N/T<br>RU/060N/B(U)-96<br>RU/060N/T  | -<br>0<br>0<br>-<br>0      | 2003.08.03<br>2005.10.15<br>2001.04.01<br>2002.09.10<br>2005.10.25<br>2002.09.10                             |                                  |     | CAPSULE SN4 SK-4  UKT-M UKTIB(U)-96-8GD TP-1/t (TYPE B)   | ALL<br>5.7.9<br>022.026<br>ALL<br>1.2  | X X X X<br>X X X X<br>X X X X<br>X X X X<br>X X X X      | ST-1<br>6/85AA<br>6/85AA<br>ST-1<br>6/85AA   |
| RU/061N/B(U) -96<br>RU/061N/S<br>RU/061N/T<br>RU/062N/B(U) -96<br>RU/062N/S<br>RU/063N/B(U) -96   | 0<br>0<br>1<br>1<br>1      | 2005.10.25<br>2004.09.02<br>2002.10.27<br>2006.07.18<br>2006.10.30<br>2006.11.15                             |                                  |     | UKTIB(U)-96-9GD<br>TK<br>F-327/F-318, TYPE B<br>UKTIB(U)-26M<br>GAM1.06-GAM1.08, GVA3.06<br>UKTIB(U)-96-10                      | ALL<br>All                             | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/85AA<br>ST-1<br>ST-1<br>ST-1     |
| RU/063N/S<br>RU/063N/T<br>RU/064N/S<br>RU/064N/T<br>RU/066N/S<br>RU/066N/S  | 1<br>-<br>1<br>1<br>1      | 2005.12.15<br>2006.06.01<br>2005.12.15<br>2003.01.20<br>2006.10.30<br>2006.07.18<br>2003.01.20               |                                  |     | UKTIB-(IEU-1)  BEBIG1.14 (BB1.2-5B) type A GAM1.101, GAM1.11, GAM1.12 RIT-90 BEBIG 1.13 (TYPE A)                                | ALL<br>All<br>ALL<br>All               | X X X X X X X X X X X X X X X X X X X                    | ST-1<br>6/85AA<br>ST-1<br>ST-1               |
| RU/066N/T<br>RU/067N/S<br>RU/069N/XT<br>RU/070/B(U)FT<br>RU/070N/T<br>RU/071/B(U)FT   | 1<br>3<br>0<br>3           | 2003.08.03<br>2002.06.01<br>2003.12.31<br>2003.02.19<br>2003.12.31   |                                  |     | CAPSULE TYPE KRP UKTIB-(UKTPV-24) TUK-32 ETTAS-02 (TYPE A) TUK-32 S 1747  | ALL All All Ol065                      | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>ST-1<br>6/73<br>6/85AA<br>6/73     |
| RU/071N/T<br>RU/072N/T<br>RU/073N/T<br>RU/074/B(M)F-85T<br>RU/074N/T<br>RU/075N/T<br>RU/076/B(M)F-85T                                     | 0<br>0<br>1<br>0           | 2003.04.01<br>2003.04.01<br>2001.04.01<br>2004.03.31<br>2001.04.01<br>2001.04.20<br>2004.03.31               |                                  |     | DE 250 B(U) GASS 500. TYPE B CAPSULE X.117 (TYPE A) TUK-6-3 CAPSULE X.117 CU112C (type A) TUK-10B-3                             | 01<br>01<br>A11                        | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/85AA<br>6/85<br>6/85AA           |
| RU/076N/T<br>RU/076N/T<br>RU/077N/T<br>RU/078/B(M)F-85T<br>RU/080N/T<br>RU/081N/T<br>RU/082N/T  | -                          | 2004.03.31<br>2003.05.27<br>2003.05.27<br>2002.12.31<br>2001.06.22<br>2003.08.03<br>2003.08.20               | GB/171/S-85                      | -   | KP-1 (type A) KP-2 (type A) TUK-6-4 type A SAFPAK NGCS-BA (Type A)  | 56<br>14.58.61.99<br>All               | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/85AA<br>6/85<br>6/85AA<br>6/85AA |
| RU/083N/T<br>RU/084N/T<br>RU/085N/T<br>RU/086/B(M)FT<br>RU/086N/T<br>RU/088/B(U)F-85  | 1<br>1<br>1<br>1<br>0      | 2001.12.31<br>2003.10.04<br>2003.10.04<br>2003.12.31<br>2001.12.31<br>2001.12.31                             | CZ/012/B(U)-85<br>CZ/013/B(U)-85 |     | TK-48 (Type B) UK 12S Type B UK 50S Type B TUK-11R-1 TK-C2 TK-48  | A11<br>ALL                             | X X X X X X X X X X X X X X X X X X X                    | 6/85AA<br>6/85AA<br>6/85AA<br>6/73           |
| RU/088/B(U)F-85T<br>RU/088N/T<br>RU/090N/T<br>RU/091N/T<br>RU/092N/T<br>RU/093N/T   | 0<br>-<br>1<br>1<br>1<br>1 | 2001.12.31<br>2005.12.15<br>2004.07.05<br>2006.07.18<br>2006.07.18<br>2006.07.18                             |                                  |     | TK-48<br>UKTIB-96-7<br>UKTIIB-24<br>eI4.059.037<br>eI4.189.029<br>eI4.189.031   | ALL<br>ALL<br>All<br>All<br>All<br>All | X<br>X X X X | ST-1<br>ST-1<br>ST-1                         |
| RU/094N/T   | 1                          | 2004.09.05   |                                  |     | 2767B (SAFPAK-B)  | All                                    | XXXX   | 21-1   |

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF             | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS            | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
|--|--|--------------------------------|---|---|---------------------------------------|--|
| RU/095/B(U)FT RU/095N/T RU/096N/A-96T RU/100/B(M)FT RU/101/B(U)F-85T RU/101/B(U)F-85T Ad RU/102/B(U)-96T RU/102/B(U)F-96T RU/104/B(U)FT RU/104/B(U)FT RU/105/B(U)F-85T RU/111/B(U)F-85T RU/111/B(U)F-85T RU/111/B(U)F-85T RU/1112/B(U)F-85 RU/113/B(U)F-85 RU/113/B(U)F-85 RU/113/B(U)F-85T RU/113/B(U)F-85T RU/113/B(U)F-85T RU/113/B(U)F-85T RU/113/B(U)F-85T RU/113/B(U)F-85T RU/118/B(U)F-85T | 2002.03.31 1 2007.01.01 2004.03.31 1 2007.03.11 3 2003.12.31 3 2002.12.31 3 2003.12.31 3 2003.12.31 3 2003.12.31 3 2003.12.31 2 2003.12.31  |                                | TUK-19/3 KT0-800 TUK-6-1 UKTIA TK-S2 TK-S3 TK-S3 TK-S6 TK-S6 TK-S11 TK-S11 TK-S11 TK-S14 TK-S14 TK-S14 TK-S15 TK-S16 TK-S15 TK-S55 TK-S55 TK-S55 TK-S55 TK-S5 TK-S5 TK-S4   | All | X X X X X X X X X X X X X X X X X X X | 6/73<br>6/85<br>6/85<br>ST-1<br>6/73<br>6/73<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| RU/119/B(U)F-85<br>RU/119/B(U)F-85T<br>RU/145/B(U)FT<br>RU/148/B(U)FT<br>RU/159/B(U)F-85T<br>RU/159/B(U)F-85T<br>RU/163/B(U)FT<br>RU/163/B(U)FT Add.1<br>RU/165/B(U)F-85T<br>RU/167/B(U)F-85<br>RU/167/B(U)F-85T<br>RU/167/B(U)F-85T<br>RU/167/B(U)F-85T<br>RU/170/B(U)FT<br>SU/170/B(U)F-85T<br>RU/202/B(U)F-85T<br>RU/203/B(U)F-85T<br>RU/203/B(U)F-85T<br>RU/203/B(U)F-85T<br>RU/203/B(U)F-85T<br>RU/2034/B(U)-85<br>RU/2034/B(U)-85<br>RU/2034/B(U)-85<br>RU/2034/S<br>RU/2044/S<br>RU/2047/S<br>RU/2053/S<br>RU/2053/S<br>RU/2056/B(U)<br>RU/2056/B(U)<br>RU/2056/F   | 2003.12.31<br>2003.12.31<br>2 2002.12.31<br>2 2002.12.31<br>2 2002.12.31<br>2 2002.12.31<br>2 2002.12.31<br>2 2002.12.31<br>2 2003.12.31<br>1 2003.12.31<br>1 2003.12.31<br>2 2003.02.15<br>0 2005.03.31<br>0 2005.03.31 | D/2012/B(U)<br>D/2021/B(U) -85 | TK-S4 TK-S4 TK-S33 TK-S48 TK-S16 TK-S7M TK-S3 TK-S3 TK-S5/1 TK-S5 TK-S5 TK-S5 TK-S5 TK-S5 TK-S5 TK-S16/1 TK-S15/1 TUK-30 TUK-29 TUK-30 8 GAMMAMAT Ti-F 6 GAMMAMAT Ti-F 6 GAMMAMAT Ti-F 6 GAMMAMAT M18 TRANSPORT CAPSULE KTM-05 SAMPLES OF ENRICHED U FOR GAMMA-GI 192M1. GK 60M2 MODEL GK60T2 GK 60M3 UKTIB-60-1. UKTIB-60-02 MEDICAL DIAGNOSTIC SETS GK60T | A11 | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>6/73<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85                         |
| RU/2068/T<br>RU/2069/S<br>RU/207/B(M)F-85T<br>RU/2075/S<br>RU/2076/S<br>RU/2077/S<br>RU/2081/T<br>RU/2086/B(U)-96T   | 0 2005.09.19<br>0 2005.09.19<br>3 2003.12.31<br>0 2005.11.30<br>0 2005.03.24<br>0 2006.03.24<br>0 2006.02.04<br>0 2001.12.31   | D/083/S-85                     | MEDICAL DIAGNOSTIC SETS - TRANSPORT CAPSULE GSTK-2 TUK-27 GI 192 M6 GI 192 M5 KTM-01 UKT1A-CQ3007 UKT-D11   | All                                     | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85<br>ST-1<br>ST-1<br>ST-1   |
| RU/209/B(U)F-85T<br>RU/2090/S<br>RU/2091/S<br>RU/2092/S<br>RU/211/B(M)F-85T<br>RU/219/B(M)F-85T<br>RU/223/B(U)F-85T<br>RU/223/B(U)F-85T<br>RU/224/B(U)F-85T  | 2 2005.01.01<br>0 2006.03.31<br>0 2006.04.14<br>0 2006.04.14<br>2 2003.10.31<br>4 2003.12.31<br>1 2002.12.31<br>1 2002.12.31<br>4 2002.06.30<br>5 2003.06.30<br>2 2001.12.31   | F/020/S-1<br>USA/9234/B(U)F    | TUK-24 - MODEL COG MODEL GK6OR NK252M11.19 TUK-26 TUK NCI-21PF-1 TUK-36 TUK-36 TUK-39 TUK-39 TUK-39 - TUK NCI-21PF-1  | All All All All All All ALL All ALL     | X X X X X X X X X X X X X X X X X X X | 6/85<br>ST-1<br>ST-1<br>ST-1<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85AA                       |

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS            | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D |
|--|--|--------------------|--|---|--|
| RU/2300/B(M)F-85T RU/2301/B(M)F-85T RU/2301/B(M)F-85T RU/2304/A-85T RU/2304/A-85T RU/2308/A-85T RU/2308/A-85T RU/2311/B(U)F-85T RU/2311/B(U)F-85T RU/2311/B(U)F-85T RU/2311/A-85T RU/2311/A-85T RU/2311/A-85T RU/2319/B(M)F-85T RU/2321/B(M)F-85T RU/2323/A-85T RU/2323/A-85T RU/2329/B(M)F-85T RU/2330/B(U)F-85T RU/2330/B(U)F-85T RU/2331/B(U)F-85T RU/2331/B(U)F-85T RU/2331/B(U)F-85T RU/2331/B(U)F-85T RU/2336/B(M)F-85T RU/2336/B(M)F-85T RU/236/B(M)F-85T RU/242/A-85T RU/242/A-85T RU/242/A-85T RU/242/A-85T RU/246/A-85T RU/246/A-85T RU/246/A-85T RU/250/A-85T RU/251/B(U)F-85T RU/251/B(U)F-85T RU/251/B(U)F-85T RU/259/A-85T RU/259/A-85T RU/259/A-85T RU/259/A-85T RU/261/X RU/261/X RU/261/X RU/261/X RU/261/A-85T RU/291/A-85T RU/ | 2 2001.05.13<br>3 2003.12.31<br>3 2003.06.30<br>3 2003.06.30<br>2 2002.09.30<br>2 2002.09.30<br>2 2002.09.30<br>2 2001.08.31<br>1 2002.09.30<br>4 2004.01.31<br>1 2003.02.28<br>1 2003.02.28<br>2 2003.01.31 |                    | DOT-21PF-1A, DOT-21PF-1B DOT-21PF-1A, DOT-21PF-1B TUK-105 48F SAMPLER V=0.5L TUK AFIB.323452.002 TUK AFIB.323452.002 TUK-42 TUK-39 TUK-39 TUK-39 TUK-48X 0485 MEVA UX-30 TUK-44/6 TUK "E015/96" 16 TNB 0145/5 TN BU-0 12 NUCLEAR PACKAGING, MODEL UX-30 TUK-115 TUK-39M UX-30 0272 MEVA TUK-39M BU-J 1 BU-J BU-J 1 BU-J 8U-J TUK-44/3 TUK-44/3 TUK-44/3 TUK-44/3 TUK-44/5 TUK-44/5 TUK-44/5 TUK-44/5 TUK-44/5 TUK-44/5 TUK-44/5 TUK-44/5 TUK-44/5 TUK-49 1 S SAMPLER TTE-0.8 TTE-1.0 12 TUK UX-30 TTE-6L TTE-0.8 TTE-1.0 12 TUK UX-30 TTE-6L TTE-0.8 TTE-1.0 12 TUK UX-30 TTE-6L TTE-0.8 TTE-1.0 15 TUK-75 TUK-76 TUK-77 TUK-78 TUK-79 TUK | A11 | X X  |
|  |  |                    |  |   |  |

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS            | MODES<br>RRAS<br>AOIE<br>IARA<br>LD | SAFETY<br>SERIES<br>NUMBER                                   |
|---|--|--------------------|--|---|-------------------------------------|--|
| RU/3016/IP-96T<br>RU/3017/IP-96T<br>RU/3018/B(U)F-96T<br>RU/302/I-85T<br>RU/303/B(U)-85T<br>RU/303/B(U)-85T<br>RU/305/A-85T<br>RU/306/A-85T<br>RU/307/A-85T<br>RU/309/A-85T<br>RU/309/A-85T<br>RU/310/A(M)-85<br>RU/310/A-85T<br>RU/316/A-85T<br>RU/316/A-85T<br>RU/316/A-85T<br>RU/402/A-85T<br>RU/403/A-85T<br>RU/403/A-85T<br>RU/403/A-85T<br>RU/403/A-85T<br>RU/416/A-85T<br>RU/416/A-85T<br>RU/416/A-85T | 2003.02.01<br>2003.02.01<br>2003.12.31<br>2 2002.07.31<br>2 2003.12.31<br>1 2003.12.31<br>1 2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>1 2001.05.13<br>1 2001.05.13<br>1 2001.06.08<br>2002.06.30<br>2006.02.02<br>2002.12.31<br>2004.07.31<br>2004.07.31<br>2006.02.02<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2003.12.31<br>2002.12.01<br>2002.12.01 |                    | TUK NT-IX TUK BOCHKA 3508A TK-S56 AND TK-S56-01 48G TK-48 BOX WITH P-10 SAMPLER DOT-17C BARREL WITH P-10 SAMPLER CONTAINER WITH P-10 SAMPLER CONTAINER WITH P-10 SAMPLER DOT-17C BARREL WITH P-10 SAMPLER BOX WITH P-10 SAMPLER BU-J CONTAINER WITH P-10 SAMPLER TUK KSHMK-5 TUK-118 2000 MED TUK-119 TUK-44/8 2000 MED TUK-70 TUK-71 TUK-72 TUK-73 TUK-89 TUK-91 TUK-92 | A11 |                                     | 6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85 |
| RU/417/A-85T<br>RU/418/A-85T  | 2002.12.01<br>1 2004.11.30   |                    | TUK-93<br>SAMPLER V=0,5L   | All<br>All                              | X<br>X X X                          | 6/85<br>6/85   |

#### SLOVENIA - No certificates reported

#### SOUTH AFRICA - Data provided for the period ending 4 June 2002

| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
|---|--|--------------------|----------------------------|------------------------------|---------------------------------------|--|
| ZA/002/S ZA/004/S ZA/004A/S ZA/CNS/1003/B(M) -85 ZA/CNS/1004/B(U) -85 ZA/CNS/1005/B(U) -85 ZA/NNR/003/S -96 ZA/NNR/1006/B(U) -96 ZA/NNR/1008/B(U) -85 ZA/NNR/1009/B(U) -85 ZA/NNR/1009/B(U) -96 | 3 2002.11.13<br>1 2004.01.06<br>0 2007.07.01<br>0 2004.07.07<br>0 2004.12.21 |                    | ZA/CSN/1005/B(U)-85        |                              | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>TS-R-1<br>TS-R-1<br>6/85AA<br>6/85AA<br>TS-R-1 |

#### SPAIN - Data provided for the period ending 30 April 2002

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES SAFETY<br>R R A S SERIES<br>A O I E NUMBER<br>I A R A<br>L D  |
|--|---|---|--|------------------------------|---|
| E/001/B(U)<br>E/002/B(U)<br>E/006/B(U)<br>E/023/AF<br>E/030/AF<br>E/038/B(U)<br>E/053/AF-85<br>E/054/AF<br>E/057/AF-85 | 11 2002.12.31<br>11 2002.12.31<br>11 2002.12.31<br>7 2002.03.31<br>4 2001.06.30<br>4 2002.06.30<br>5 2002.06.30<br>8 2007.03.31<br>2 2004.02.21 | USA/4986/AF<br>GB/1660A/AF<br>B/30/B(U)<br>D/4306/AF-85<br>USA/9239/AF<br>J/079/AF-85 | NI-202<br>NI-203<br>NI-211<br>27 RA-2, RA-3<br>12 LOW ACTIVITY URANIC CONTAINER<br>19 TNB 0145<br>11 RA-3D<br>13 MCC-3, MCC-4, MCC-5<br>1 BU-J |                              | X X X X 6/73AA X X X X 6/85AA X X X X 6/85 |

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER |
|-----------------------|--------------------|--------------------|----------------------------|------------------------------|---|----------------------------|
| E/062/B(U)            | 2 2003.07.31       | GB/0666W/B(U)      | 8 0666W                    |                              | X X X X                                       | 6/73AA                     |
| E/069/B(U)            | 1 2003.10.31       | CDN/2013/B(U)      | 11 NORDION GAMMACELL 220   | ALL                          | X X X X                                       | 6/73AA                     |
| E/075/B(U)            | 2 2004.10.31       | GB/3231A/B(U)      | 7 STEEL TRANSPORT CASE     |                              | X X X   | 6/73AA                     |
| E/076/B(U)            | 2 2004.10.31       | GB/3231B/B(U)      | 6 STEEL TRANSPORT CASE     |                              | X X X   | 6/73AA                     |
| E/077/B(U)F-85        | 0 2002.06.30       |                    | ENSA-DPT                   |                              | X X X   | 6/85AA                     |
| E/083/B(U)            | 0 2002.07.31       | USA/5796/B(U)      | 12 181735 and 181361       |                              | X X X X                                       | 6/73AA                     |
| E/092/AF-85           | 1 2003.01.31       | GB/3516A/AF-85     | 3 FUEL TRANSPORT CONTAINER |                              | X X X   | 6/85AA                     |
| E/093/AF-85           | 0 2004.03.31       | GB/3525A/AF-85     | 1 VVER                     |                              | X X X   | 6/85AA                     |
| E/096/B(U)            | 1 2004.10.31       | GB/0924W/B(U)      | 7 0924 Mk II               |                              | X X X X                                       | 6/73AA                     |
| E/097/B(U)            | 0 2004.01.31       | GB/0924BZ/B(U)     | 7 0924 Mk II               |                              | X X X X                                       | 6/73AA                     |
| E/098/IF-85           | 2 2003.12.31       | D/4330/IF-85       | 3 BE-TB Typ III-Edelstahl  |                              | X X X   | 6/85AA                     |
| E/099/B(U)            | 0 2003.07.31       | GB/0666S/B(U)      | 8 Steel drum               |                              | X X X X                                       | 6/73AA                     |
| E/100/B(U)F-85        | 0 2005.02.28       | USA/9225/B(U)F-85  | 21 NAC-LWT                 |                              | х х х   | 6/85AA                     |
| E/102/IF-85           | 0 2004.01.31       | S/50/IF-85         | 1                          |                              | X X X   | 6/85AA                     |

#### SWEDEN - Data provided for the period ending 13 June 2002

| X   | CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER   |
|---|---|--|---|---|------------------------------|---|--|
| S/SKI/5.41-010454       1 2004.02.21       J/79/AF-85       1 BU-J       X X X 6/3         S/SKI/5.41-010601       15 2003.07.01       USA/4909/AF       15 30A. 30B       X X X 6/3         S/SKI/5.41-980854       1 2001.05.31       J/79/AF-85       1 BU-J       X X X 6/3         S/SKI/5.41-981101       2 2001.08.31       D/4305/AF-85       1 BU-D       X X X 6/3         S/SKI/5.41-981472       17 2001.02.28       USA/9196/AFX       17 UX-30       X X X 6/3         S/SKI/5.41-990143       0 2002.06.30       F/358/B(U)F-85AA       0 C0G-0P-30B       X X X 6/3         S/SKI/5.41-990145       10 2002.01.31       USA/9234/B(U)F       10 30b       X X X 6/3 | \$\ 5\0023\/B(M)F \ \$\ 5\0030\/B(M)F \ \$\ 5\0030\/B(U)F \ \$\ 5\0055\/B(U)-85 \ \$\ 5\0057\/B(U)-85 \ \$\ 5\0057\/B(U)-85 \ \$\ 5\0156\/B(U)-85 \ \$\ 5\113\/X \ \$\ 5\1114\/X \ \$\ 5\1115\/X \ \$\ 5\11\/1\/B(U)F-85 \ \$\ 5\/50\/IF-85 \ \$\ 5\/50\/IF-85 \ \$\ 5\/50\/IF-85 \ \$\ 5\/51\/1\/1\/B80\/2001 \ \$\ 5\/8\/I\/5\.41-00058 \ \$\ 5\/8\/I\/5\.41-000978 \ \$\ 5\/8\/I\/5\.41-010271 \ \$\ 5\/8\/I\/5\.41-010446 \ \$\ 5\/8\/I\/5\.41-980854 \ \$\ 5\/8\/I\/5\.41-980854 \ \$\ 5\/8\/I\/5\.41-981101 \ \$\ 5\/8\/I\/5\.41-981101 \ \$\ 5\/8\/I\/5\.41-9811472 \ \$\ 5\/8\/I\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/I\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\.41-990145 \ \$\ 5\/8\/1\/5\/1\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/5\/8\/1\/8\/1\/8\/8\/8\/1\/8\/8\/8\/8\/8\/8\/8\/8\/8\/8\/8\/8\/8\ | 7 2001.12.31 7 2001.12.31 3 2004.02.29 3 2004.02.29 0 2003.10.31 0 2001.09.30 1 2001.09.30 9 2004.01.31 8 2001.06.30 7 2002.03.15 1 2004.01.31 0 2003.06.30 10 2002.01.31 0 2003.12.31 0 2003.06.30 21 2005.02.28 1 2001.07.01 10 2005.06.30 21 2005.02.28 1 2001.12.31 4 2003.12.31 2 2005.02.28 3 2001.06.30 1 2004.02.21 15 2003.07.01 1 2001.05.31 2 2001.08.31 17 2001.02.28 0 2002.06.30 10 2002.01.31 | USA/9234/B(U)F<br>F/358/B(U)F-85 AB<br>F/201/B(U)F GB<br>USA/9217/AF<br>USA/9225/B(U)F-85<br>D/4340/1F-85<br>D/4320/AF-85<br>USA/9196/AF-85<br>J/79/AF-85<br>USA/909/AF<br>J/79/AF-85<br>USA/909/AF<br>J/79/AF-85<br>USA/9196/AFX<br>F/358/B(U)F-85AA<br>USA/9234/B(U)F | S/30/B(U)F<br>TN 17 CC<br>MOSAIK-CLAB  S/19/AF-85<br>TN 17/2  8 MODEL 702 10 30B 0 10 ANF-250 21 1 4 BU-D 21 UX-30, 30B 3 1 BU-J 15 30A, 30B 1 BU-J 1 BU-D 17 UX-30 0 COG-OP-30B 10 30b | ALL<br>ALL                   | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |

#### SWITZERLAND - Data provided for the period ending 7 June 2002

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION         | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER |
|-----------------------|--------------------|--------------------|------------------------------------|------------------------------|---|----------------------------|
| CH/241/X              | 4 2001.12.31       |                    | TYP R-52                           |                              | χ   | 6/85AA                     |
| CH/242/X              | 1 2001.11.30       |                    |                                    |                              | Χ   | 6/85AA                     |
| CH/5000/B(U)F-85      | 5 2002.03.31       | F/136/B(U)F        | Gd NTL 9                           |                              | X X X X                                       | 6/85AA                     |
| CH/5017/B(U)F-85      | 5 2001.06.30       | F/275/B(U)F-85     | Gj TN 12/1                         | ALL                          | X X X X                                       | 6/85AA                     |
| CH/5024/AF-85         | 5 2001.12.31       | D/4306/AF-85       | 10 RA-3D Shipping Container        |                              | X X X X                                       | 6/85AA                     |
| CH/5036/B(M)F-85      | 2 2002.03.31       | D/4174/B(M)F-85    | 5 Beh"lter f r MOX-BE Typ BIBLIS   |                              | X X X X                                       | 6/85AA                     |
| CH/5043/(A)F          | 0 2002.03.31       | USA/9239/(A)F      | 7 WESTINGHOUSE MCC-3, MCC-4, MCC-5 | ALL                          | X X X X                                       | 6/85AA                     |

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS   | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER |
|--|--|---|--|--------------------------------|---------------------------------------|----------------------------|
| CH/5045/B(U)F-85<br>CH/5046/B(U)F-85<br>CH/5048/IF-85<br>CH/5049/B(U)F-85            | 2 2005.03.18<br>1 2003.12.31<br>3 2003.12.31<br>1 2002.07.01                 | D/4329/B(U)F-85<br>F/346/B(U)F-85<br>D/4330/IF-85<br>F/362/B(U)F-85               | 2 CASTOR HAW 20/28 CG<br>Bd FS 69<br>3 BE TRANSPORTBEH. TYP III-Edelsta<br>Ab TN 24-G    | 16 and up                      |                                       |                            |
| CH/5050/B(U)F-85<br>CH/5051/B(U)F-85<br>CH/5052/B(U)F-85                             | 1 2006.09.30<br>0 2003.05.31<br>0 2003.04.06                                 | F/365/B(U)F-85<br>F/371/B(U)F-85<br>D/4342/B(U)F-85                               | Bd TN 52 L<br>Aa TN 97 L<br>0 TN 7-2   | ALL                            | X X X X<br>X X X X<br>X X X           | 6/85AA                     |
| CH/5053/B(U)F-85<br>CH/5054/B(M)F-85<br>CH/5055/B(M)F                                | 1 2004.08.31<br>0 2004.03.31<br>0 2004.03.31                                 | D/4318/B(U)F-85<br>GB/1146AD/B(M)F-85<br>GB/1146AD/B(M)F                          | 3 CASTOR HAW 20/28 CG<br>1 NTL 11<br>1 NTL 11  | 01 to 15<br>03,04,05<br>01, 02 | X X X X<br>X X X X<br>X X X X         | TS-R-1<br>TS-R-1           |
| CH/5057/IF-85<br>CH/5058/IF-85<br>CH/5059/B(M)F-85                                   | 0 2002.12.31<br>0 2004.01.31<br>0 2004.03.31                                 | D/4337/IF-85<br>S/50/IF-85<br>GB/1146AE/B(M)F-85                                  | 0 ANF TYP V<br>1 EMBRACE<br>1 NTL 11   | 04, 05                         | X X X X<br>X X X X<br>X X X X         | 6/85AA<br>TS-R-1           |
| CH/5060/B(M)F<br>CH/5061/IF-85<br>CH/5062/AF-85<br>CH/5063/B(U)F-85                  | 0 2004.03.31<br>0 2004.12.31<br>0 2003.12.31<br>0 2004.06.30                 | GB/1146AE/B(M)F-85<br>F/373/IF-85<br>D/4280/AF-85<br>GB/2835A/B(U)F-85            | 1 NTL 11<br>Ab CERCA-01<br>4 Typ BU-D<br>1 CROFT 2835A                                   | 01, 02                         | X X X X X X X X X X X X X X X X X X X | TS-R-1<br>6/85<br>TS-R-1   |
| CH/5064/B(U)F-85<br>CH/5065/B(U)F-96<br>CH/8009/B(U)<br>CH/8016/B(U)<br>CH/8044/B(U) | 0 2006.12.31<br>0 2005.06.30<br>3 2003.07.31<br>3 2004.01.31<br>2 2001.04.20 | F/377/B(U)F-85<br>F/356/B(U)F-96<br>GB/0666W/B(U)<br>GB/0666AY/B(U)<br>F/220/B(U) | Aa TN 24 BH<br>Ab FS 65<br>7 GB/0666W/B(U) STEEL DRUM<br>8 STEEL DRUM 0666<br>Ic D 80161 |                                | X X X X X X X X X X X X X X X X X X X | TS-R-1<br>6/85AA<br>6/85AA |

#### UKRAINE - Data provided for the period ending 16 May 2002

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF  | REV PACKAGE IDENTIFICATION                                | PACKAGE<br>SERIAL<br>NUMBERS    | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER           |
|--|--|---|---|---------------------------------|---------------------------------------|--------------------------------------|
| UA/RU/042/B(M)F-85T<br>UA/RU/046/B(U)F-85T<br>UA/RU/052/B(U)F-85T<br>UA/RU/102/B(U)F-96T<br>UA/RU/116/B(U)F-85 | 3 2001.12.31<br>4 2002.08.31<br>3 2002.12.31<br>3 2003.12.31<br>2 2003.12.31 | RU/042/B(M)F-85T<br>RU/046/B(U)F-85T<br>RU/052/B(U)F-85T<br>RU/102/B(U)F-96T<br>RU/116/B(U)F-85 | 3 TUK-6<br>4 TUK-13V<br>3 TUK-13/1V<br>3 TK-C6<br>2 TK-C5 | ALL<br>ALL<br>ALL<br>ALL        | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>ST-1<br>6/85AA   |
| UA/RU/116/B(U)F-85T<br>UA/RU/118/B(U)F-85<br>UA/RU/118/B(U)F-85T<br>UA/RU/119/B(U)F-85<br>UA/RU/119/B(U)F-85T  | 5 2003.12.31<br>2 2002.12.31<br>1 2002.12.31<br>0 2003.12.31<br>0 2003.12.31 | RU/116/B(U)F-85T<br>RU/118/B(U)F-85<br>RU/118/B(U)F-85T<br>RU/119/B(U)F-85<br>RU/119/B(U)F-85T  | 5 TK-C5<br>2 TK-C4<br>1 TK-C4<br>0 TK-C4<br>0 TK-C4       | ALL<br>ALL<br>ALL<br>ALL<br>ALL | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |

#### UNITED KINGDOM - Data provided for the period ending 27 May 2002

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER   |
|--|---|--------------------|---|------------------------------|---|--|
| GB/0012A/AF GB/0666AY/B(U) GB/0924BZ/B(U) GB/0924W/B(U) GB/104/S-85 GB/104/S-85 GB/107/S-85 GB/110/S-85 GB/113/S-85 GB/113/S-85 GB/121/S-85 GB/121/S-85 GB/143/S-85 GB/149/S-85 GB/149/S-85 GB/159/S-85 GB/1642K/AF-85 GB/1642L/AF-85 GB/1642L/AF-85 | 10 2002.06.30<br>9 2004.01.31<br>7 2004.10.31<br>7 2004.10.31<br>3 2001.05.31<br>4 2002.08.31<br>3 2001.03.31<br>3 2001.04.30<br>4 2002.06.30<br>3 2001.08.31<br>4 2001.06.30<br>3 2001.09.30<br>4 2001.06.30<br>3 2001.09.30<br>4 2001.06.30<br>3 2001.09.30<br>4 2001.03.31<br>4 2001.03.31<br>4 2001.03.31 |                    | Steel Drum 0924 Mk II 0924 Mk II SFC X441 SFC X441 SFC X85 SFC X1146 SFC X220 SFC X19 SFC X19 SFC X19 SFC X15/2 SFC X135/2 SFC X134/4 SFC X2105 SFC X142/1/2 SFC X134/2 AGR FUEL ELEMENT CONTAINER AGR FUEL CONTAINER |                              | X X X X X X X X X X X X X X X X X X X         | 6/73AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |

| UNITED KINGDOM (COM   | (.)   |                    |  |                              |                                       |  |
|---|---|--------------------|--|------------------------------|---------------------------------------|--|
| CERTIFICATE<br>NUMBER   | REV EXPIRY<br>DATE  | REVALIDATION<br>OF | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   | SAFETY<br>SERIES<br>NUMBER   |
| GB/1660A/AF<br>GB/167/S-85<br>GB/171/S-85<br>GB/174/S-85<br>GB/182/S-85<br>GB/188/S-85<br>GB/193/S-85<br>GB/193/S-85<br>GB/1933A/B(U)<br>GB/1933B/B(U)<br>GB/1935A/B(U)<br>GB/1935E/B(U)<br>GB/1935E/B(U)<br>GB/1936E/B(U)<br>GB/1936B/B(U) | 4 2002.05.31 12 2001.06.30 4 2002.06.30 5 2001.03.31 3 2001.08.31 3 2001.10.31 13 2001.10.31 10 2004.10.31 13 2004.10.31 13 2004.10.31 7 2001.12.31 7 2001.12.31 7 2002.07.31 8 2002.07.31 10 2002.07.31 10 2002.07.31 12 2002.07.31 16 2001.10.31 17 2001.12.31 18 2004.10.33 19 2001.10.33 10 2002.07.31 10 2002.07.31 10 2002.07.31 10 2002.07.31 10 2002.07.31 11 2002.07.31 12 2002.07.31 13 2001.10.31 14 2003.01.31 15 2003.03.31 16 2002.07.31 17 2001.01.31 18 2001.01.31 19 2001.01.31 2003.02.28 2003.02.28 2003.02.28 2003.02.28 2003.02.28 2003.02.28 2003.02.28 2003.02.28 2003.02.30 2001.04.30 2001.04.30 2001.04.30 2001.04.30 2001.04.30 2001.04.30 2001.07.31 2002.06.30 2001.07.31 2001.07.31 2001.07.31 2001.07.31 |                    | THICK WALLED (BLUE) LOW ACTIVITY URANIC CONTAINER SFC X108 SFC X117 SFC X33 SFC XN128 SFC XN47 SFC SFC X540 INSULATED STEEL CANISTER INSULATED STE | NUMBERS                      | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA         |
| GB/2816C/B(M)F<br>GB/2834A(1)/B(M)F85<br>GB/2834A/B(M)F85<br>GB/2835A/B(U)-85<br>GB/2842A/B(U)-85<br>GB/29/S-85<br>GB/292/S-85<br>GB/294/S-85<br>GB/294/S-85<br>GB/295/S-85<br>GB/295/S-85<br>GB/317-85<br>GB/3170A/B(M)F                   | 1 2004.04.30<br>6 2002.10.31<br>9 2003.08.31<br>3 2003.06.30<br>5 2003.06.30<br>4 2001.02.28<br>4 2002.09.30<br>3 2001.08.31<br>4 2004.02.28<br>4 2004.02.28<br>4 2003.10.31<br>4 2002.05.31<br>4 2001.04.30<br>2 2003.02.28<br>9 2002.02.28  |                    | INSULATED STEEL KEG Mark A2 AGR Mark A2 AGR INSULATED STEEL KEG  SFC X20 SFC R1820 (X1136) SFC X1084 MAGNOX FLASK MAGNOX FLASK SFC X2035 SFC X1033 SPECIAL FORM SPECIAL FORM NTL TRANSPORT FLASK   |                              | X X X X X X X X X X X X X X X X X X X | 6/85<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| αυ/ 31/ UA/ D(M)Γ   | J 2002.02.28  |                    | NIE INDICHANI LIN  |                              | ۸ ۸ ۸                                 | U/ / JAA   |

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE  | REVALIDATION<br>OF | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD   |  |
|--|---|--------------------|--|------------------------------|---------------------------------------|--|
| GB/3170A/B(M)F-85T<br>GB/3280A/B(U)-85<br>GB/3314C/B(U)F-85<br>GB/3314C/B(U)F-85<br>GB/335/S-85<br>GB/3358V/B(M)F-85<br>GB/3358W/B(M)F-85<br>GB/3390A/B(U)F-85<br>GB/3390A/B(U)-85<br>GB/3405B/B(U)-85<br>GB/3405B/B(U)-85<br>GB/3413A/B(U)-85<br>GB/3416A/B(M)-85<br>GB/3420A/AF-85T<br>GB/343/S-85<br>GB/348/S-85<br>GB/3516A/AF-85      | 5 2005.02.28<br>5 2001.02.28<br>2 2002.05.31<br>2 2003.11.04<br>4 2003.10.31<br>1 2001.06.30<br>1 2003.01.31<br>4 2003.03.31<br>4 2003.03.31<br>4 2002.09.30<br>5 2003.01.31<br>2 2001.06.30<br>5 2003.01.31<br>2 2001.06.30<br>5 2003.01.31<br>2 2002.11.30<br>8 2003.03.31<br>4 2003.03.31                |                    | NTL TRANSPORT FLASK MILD STEEL TRANSPORT BOX EXCELLOX 6 TRANSORT FLASK  SFC X.1191, 1191/1 MODULAR FLASK MODULAR FLASK NUPACK 200 NUPAK-200 SPECIAL FORM  SOURCE CONTAINER  STEEL DRUM (200L) SPECIAL FORM SPECIAL FORM HEX CYLINDERS 30B AND 40Y  |                              | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85<br>6/85   |
| GB/3518A/AF-85<br>GB/3537A/IF-85<br>GB/3605A/B(U)-85<br>GB/3605B/B(U)-85<br>GB/3605C/B(U)-85<br>GB/3605D/B(U)-85<br>GB/3605D/B(U)-85<br>GB/3605M/B(U)-85<br>GB/3673A/B(U)-85<br>GB/3705A/B(U)F-85<br>GB/3705B/B(U)F-85<br>GB/3705D/B(U)F-85<br>GB/3705D/B(U)F-85<br>GB/3705D/B(U)F-85<br>GB/3705F/B(U)F-85                                 | 3 2001.06.30<br>1 2002.10.31<br>1 2003.11.30<br>1 2003.01.31<br>1 2003.09.30<br>1 2003.01.30<br>5 2002.05.31<br>2 2004.01.31<br>2 2004.01.31<br>2 2004.01.31<br>2 2004.01.31<br>2 2004.01.31<br>2 2004.01.31<br>2 2004.01.31  |                    | HEX CYLINDERS 30B AND 40Y  ENCAPSULATED SOURCE CONTAINER "F" DRUM Mk II DRUM WEP Insulated steel drum  SENTINEL MODEL 460 NESTED TRANSPORT PACKAGE NESTED TRANSPORT PACKAGE  |                              | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| GB/38/S-85<br>GB/384/S-85<br>GB/384/S-85<br>GB/39/S-85<br>GB/39/S-85<br>GB/391/S-85<br>GB/392/S-85<br>GB/392/S-85<br>GB/40/S-85<br>GB/40/S-85<br>GB/402/S-85<br>GB/408/S-85<br>GB/409/S-85<br>GB/41/S-85<br>GB/411/S-85<br>GB/411/S-85<br>GB/411/S-85<br>GB/411/S-85<br>GB/45/S-85<br>GB/55/S-85<br>GB/55/S-85<br>GB/55/S-85<br>GB/57/S-85 | 2003.04.30<br>3 2003.03.31<br>3 2004.02.28<br>3 2001.04.30<br>3 2004.02.28<br>4 2004.02.28<br>4 2002.08.31<br>4 2001.09.30<br>2 2001.12.31<br>2 2001.11.30<br>2 2002.09.30<br>3 2002.09.30<br>3 2002.07.31<br>3 2003.01.31<br>4 2001.07.31<br>12 2003.01.31<br>4 2001.06.30<br>4 2002.11.30<br>5 2002.11.30 |                    | SPECIAL FORM  HEX CYLINDERS 30B AND 40Y  ENCAPSULATED SOURCE CONTAINER "F" DRUM Mk II DRUM WEP Insulated steel drum  SENTINEL MODEL 460 NESTED TRANSPORT PACKAGE NESTED TRANSPORT PACKAGE NESTED TRANSPORT PACKAGE  SFC X91 SPECIAL FORM SFRM SFRM SFRM SPECIAL FORM SFRM SPECIAL FORM SFC X93 SFC X2168 SFC X1290 SFC X101 SFC X100 SFC X101 SFC X101 SFC X25 |                              | X X X X X X X X X X X X X X X X X X X | 6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA   |
| GB/59/S-85<br>GB/79/S-85<br>GB/93/S-85   | 5 2002.08.31<br>3 2001.08.31<br>3 2001.05.31  |                    | SFC X102<br>SFC XN44<br>SFC X444   |                              | X X X X<br>X X X X                    | 6/85AA   |

#### UNITED STATES OF AMERICA - Data provided for the period ending 7 June 2002

| CERTIFICATE<br>NUMBER | REV EXPIRY<br>DATE | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION     | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D |        |
|-----------------------|--------------------|--------------------|--------------------------------|------------------------------|---|--------|
| USA/0018/S            | 7 2005.11.01       |                    | Model SR-CF-100                |                              | X X X X                                       | 6/85AA |
| USA/0036/S            | 6 2002.08.31       |                    | NRD Model A001 Nuclear foils   |                              | X X X X                                       | 6/73AA |
| USA/0043/S            | 9 2002.09.30       |                    | MONSANTO MODEL 2720 Series     |                              | X X X X                                       | 6/85AA |
| USA/0058/S            | 6 2004.08.31       |                    | General Electric Cf-100 Series |                              | X X X X                                       | 6/85AA |
| USA/0061/B(U)         | 17 2005.03.31      | CDN/2039/B(U)      | 17 THERATRON 78, T780, MORE    |                              | X X X X                                       | 6/73AA |

| UNITED STATES OF A                | TERICA (CUIIC.)                |                                    |     |   |                              |  |        |
|-----------------------------------|--------------------------------|------------------------------------|-----|---|------------------------------|--|--------|
| CERTIFICATE<br>NUMBER             | REV EXPIRY<br>DATE             | REVALIDATION<br>OF                 | RE' | V PACKAGE IDENTIFICATION  | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>RRAS<br>AOIE<br>IARA<br>LD                  |        |
| USA/0062/S                        | 6 2004.05.31                   |                                    |     | GE STANDARD TELETHERAPY SOURCE                                      | ALL                          | x  | 6/8544 |
| USA/0065/S                        | 7 2005.11.01                   |                                    |     | SR Cf-1000 SERIES NEUTRON SOURCE                                    | ALL                          | X $X$ $X$ $X$  | 6/85AA |
| USA/0066/S                        | 6 2003.07.31<br>5 2003.06.30   |                                    |     | 3M Model 4F6H   | ALL                          | XXXX   |        |
| USA/0071/S<br>USA/0073/S          | 7 2002.07.31                   |                                    |     | 3M Model 4D6L /before 1989.08.03<br>GE Bulk Co-60 Container         |                              | XXXX   |        |
| USA/0074/S                        | 5 2002.08.31                   |                                    |     | 3M Model 4F6P   |                              | X $X$ $X$ $X$  | 6/85AA |
| USA/0077/S<br>USA/0078/S          | 5 2001.01.31<br>8 2006.04.01   |                                    |     | 3M Model 4F6S<br>Gulf Nuclear Model No. CSV                         |                              | XXXX   |        |
| USA/0080/S                        | 3 2005.06.30                   |                                    |     | MONSANTO (DRAWING NO. SK195/2A0)                                    | BEFORE 1JAN00                | XXXX   |        |
| USA/0087/S                        | 4 2003.12.01                   |                                    |     | Dresser Atlas Model DA-5  |                              | X X X X  |        |
| USA/0088/S<br>USA/0095/S          | 5 2002.08.31<br>8 2005.09.30   |                                    |     | B DRESSER ATLAS MODEL DA-20<br>6 SERIES B, G, R AND T               |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0112/S                        | 5 2003.06.10                   |                                    |     | 5 SCHLUMBERGER NSR-GB   |                              | X $X$ $X$ $X$  | 6/85AA |
| USA/0113/S<br>USA/0114/S          | 8 2003.06.30<br>5 2003.05.31   |                                    |     | 5 NSR-F, NSR-D and NSR-R<br>5 GULF NUCLEAR AmBe 71-1                |                              | XXXX   |        |
| USA/0115/S                        | 8 2002.08.22                   |                                    |     | 5 Gulf Nuclear Model VL-1   |                              | XXXX   |        |
| USA/0116/S                        | 4 2005.11.30                   |                                    |     | HALLIBURTON X-602-04-101  |                              | XXXX   |        |
| USA/0124/B(U)<br>USA/0125/B(U)    | 14 2002.07.31<br>12 2002.07.31 | CDN/2042/B(U)<br>CDN/2037/B(U)     |     | 6 MDS Nordion F-245<br>0 NORDION INTL. F-327/F-247                  | 1-5, 7-26<br>1-10, 12-41     | XXXX   |        |
| USA/0126/B(U)-85                  | 14 2002.11.30                  | CDN/2043/B(U)-85                   | 18  | 8 NORDION F327/F251, F327/F318                                      | SEE CERT!                    | XXXX   |        |
| USA/0135/S<br>USA/0137/S          | 8 2006.12.10<br>4 2003.06.22   |                                    |     | 8 MODEL NOS. NSR-M and NSR-L<br>3M Model 4D6P /before 1989.08.03    |                              | XXXX   |        |
| USA/0141/S                        | 9 2004.08.31                   |                                    |     | GEN-CF-1X OR 2765-AA00  |                              | XXXX   |        |
| USA/0149/S                        | 5 2005.08.31                   |                                    |     | Gulf Nuclear Model AmBe 71-2A                                       | prior1988-3-08               |  |        |
| USA/0152/S<br>USA/0154/S          | 4 2001.12.31<br>7 2002.09.08   |                                    |     | NEN/DU PONT NER-570 AND NER-580<br>Amersham 60001,60004,60006, MORE |                              | XXXX   |        |
| USA/0158/S                        | 4 2003.06.30                   |                                    |     | E.I. DuPont/NEN NER-479C  |                              | XXXX   |        |
| USA/0159/S<br>USA/0161/S          | 4 2002.06.30<br>1 2001.09.30   |                                    |     | E.I. DuPont/NEN Model NER-478C<br>New England Nucl. Model NER-550   |                              | X X X X X X  |        |
| USA/0165/S                        | 5 2006.01.01                   |                                    |     | A424-2 THRU A424-19, MORE   |                              | XXXX   |        |
| USA/0166/S                        | 8 2002.09.01                   | CD (06665 (D(II)                   |     | VD, VD(HP), NB, NBG, NB(HP)   | ALI                          | XXXX   |        |
| USA/0169/B(U)<br>USA/0174/S       | 8 2003.07.31<br>4 2002.08.31   | GB/0666S/B(U)                      |     | 7 UK Design No. 0666S<br>Gulf Nuclear Model CS-2                    | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0179/S                        | 7 2003.09.30                   |                                    |     | Amersham Series 900 Ir Capsule                                      |                              | XXXX   |        |
| USA/0194/S<br>USA/0205/S          | 3 2001.06.01<br>3 2001.06.30   |                                    |     | MONSANTO 24170-B(Z) AND BS(Z)<br>7 ORNL Capsule Ir-192              |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0208/B(U)F-85                 | 7 2003.03.23                   | J/61/B(U)F                         |     | - Model No. JRC-80Y-20T   |                              | X  X  X  | 6/85AA |
| USA/0214/B(U)<br>USA/0220/AF-85   | 12 2004.04.30<br>11 2004.02.21 | CDN/2045/B(U)<br>J/79/AF-85        |     | 5 NORDION F-168-X SHIPPING FLASK<br>1 BU-J                          | 22X-26X, 41X                 | XXXX   |        |
| USA/0221/S                        | 6 2004.08.31                   |                                    |     | IPL LINE SOURCE,301 SERIES  |                              | X $X$ $X$ $X$  | 6/85AA |
| USA/0226/B(U)<br>USA/0227/B(U)    | 8 2004.10.31<br>9 2001.10.31   | GB/1933A/B(U)<br>GB/1933B/B(U)     |     | 9 U.K. Design No. 1933A<br>1 U.K. Design No. 1933B                  |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0228/B(U)                     | 7 2004.10.31                   | GB/1934A/B(U)                      |     | B U.K. Design No. 1934A   |                              | XXXX   |        |
| USA/0236/S                        | 2 2001.03.31                   |                                    |     | SR-CF-3000 & OR-CF-3000   |                              | XXXX   |        |
| USA/0237/S<br>USA/0240/S          | 1 2001.04.01<br>2 2001.03.31   |                                    |     | MONSANTO 24181<br>MONSANTO 24173                                    |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0242/S                        | 4 2002.05.10                   |                                    |     | Monsanto Research Model 24154-C                                     |                              | X  X  X  X   | TS-R-1 |
| USA/0245/S<br>USA/0250/B(U)       | 7 2005.06.01<br>10 2003.03.31  | GB/0924BP/B(U)                     | 1   | AB Elekta 43047 & 43685<br>1 U.K. Design No. 0924BP                 | ALL<br>ALL                   | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0255/AF/-85                   | 8 2002.05.29                   | J/74/AF-85                         |     | 1 BU-J (JCO Model)  |                              | X  X  X  | 6/85AA |
| USA/0257/S<br>USA/0263/S          | 4 2004.12.31<br>3 2006.12.01   |                                    |     | Amersham Model 849<br>MONSANTO MODEL 24195                          |                              | XXXX   |        |
| USA/0269/B(U)                     | 10 2004.01.31                  | GB/0666AY/B(U)                     | 8   | B U.K. Design No. 0666AY  |                              | X X X X  | 6/73AA |
| USA/0272/B(U)<br>USA/0273/B(U)    | 7 2004.11.30<br>5 2004.11.30   | GB/1935A/B(U)<br>GB/1935E/B(U)     |     | 7 UK Design No 1935A<br>7 UK DESIGN NO. 1935E                       | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0277/S                        | 3 2004.01.31                   | GD/ 1300E/ D(U)                    |     | BN-450-14 and BN-450-14-A   | / NCL                        | X  X  X  X   | 6/85AA |
| USA/0283/S<br>USA/0292/S          | 3 2003.08.31<br>6 2006.10.31   |                                    |     | 3M Model 3FIG /before 1989.08.03<br>4 Neutron Products NPTT Series  | SEE CERT!                    | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |        |
| USA/0297/S                        | 3 2003.09.30                   |                                    |     | 2 Industrial Nuclear Model A  | JEL GENT:                    | XXXX   |        |
| USA/0301/B(U)                     | 6 2004.10.31                   | GB/0924W/B(U)                      |     | 6 UK Design No. 0924W   |                              | XXXX   |        |
| USA/0302/B(U)<br>USA/0304/B(U)    | 8 2003.12.31<br>7 2003.07.31   | GB/0666AW/B(U)<br>GB/0666T/B(U)    |     | 3 U.K. Design No. 0666AW<br>7 U.K. Design No. 0666T                 |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0307/B(U)                     | 7 2003.07.31                   | GB/0666W/B(U)                      |     | 7 U.K. Design No. 0666W   |                              | X $X$ $X$ $X$  | 6/73AA |
| USA/0316/B(U)-85<br>USA/0317/B(U) | 6 2004.01.31<br>5 2004.11.30   | GB/0924BZ/B(U)-85<br>GB/1935B/B(U) |     | 6 U.K. Design 0924BZ<br>7 U.K. DESIGN NO. 1935B                     |                              | X X X X X X  |        |
| USA/0331/S                        | 4 2003.12.15                   |                                    |     | Gammatron Model AN-HP   |                              | X  X  X  X   | 6/85AA |
| USA/0335/S<br>USA/0336/S          | 5 2004.08.31<br>7 2006.08.01   |                                    |     | Amersham 875 Series<br>IPL MODEL XFB-3                              | ALL                          | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |        |
| USA/0337/B(U)-85                  | 10 2002.06.30                  | GB/2773A/B(U)-85                   |     | 3 Croft Associates Model 2773A                                      | ALL                          | XXXX   |        |
| USA/0348/B(U)                     | 9 2003.04.30                   | CDN/2047/B(U)                      |     | NORDION F-231   | 7-9,11-24                    | XXXX   |        |
| USA/0350/S<br>USA/0351/S          | 4 2005.08.31<br>4 2005.03.31   |                                    |     | 1 Isotope Prod. Labs. Model 343<br>1 IPL Model N-252                | ALL<br>ALL                   | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0352/S                        | 4 2005.08.31                   |                                    |     | l Isotope Prod. Labs. Model 295                                     |                              | X $X$ $X$ $X$  | 6/85AA |
| USA/0353/S<br>USA/0354/S          | 4 2004.10.31<br>4 2005.08.31   |                                    |     | 1 IPL Model 193<br>1 Isotope Prod. Labs. Model 274-1                | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0356/S                        | 8 2004.08.01                   |                                    |     | 1 IPL A3000,-15, -23, -24, -30                                      |                              | X X X X  |        |
|                                   |                                |                                    |     |   |                              |  |        |

| USA/0357/S 7 2006.04.01 1 IPL A3214 and A3203 X X X X X 6/USA/0361/B(U)F-85 4 2003.09.30 PAT-1 X X X X X 6/USA/0363/S 4 2006.02.28 AMERSHAM X38/4 X X X X 6/USA/0363/S 5 2005.10.01 FRONTIER MODEL 10 AND 100 SERIES X X X X X 6/USA/0371/B(U)F-85 10 2004.04.30 D/4160/B(U)F-85 7 TN 7-2 TRANSPORT PACKAGE X X X X X 6/USA/0376/S 3 2006.03.31 3 GAMMATRON SPEC. SS-2050 X X X X X 6/USA/0377/S 4 2006.06.30 3 Tech/Ops 60011, 60012, 60013 X X X X X 6/USA/0381/B(U)F-85 5 2002.08.31 D/4224/B(U)F-85 5 Transport Container GNS 11 X X X X 6/USA/0381/B(U)F-85 5 2002.08.31 D/4224/B(U)F-85 5 Transport Container GNS 11   | /85AA<br>/85AA<br>/85AA<br>/85AA<br>/85AA<br>/85AA<br>/85AA<br>/73AA<br>/85AA<br>/85AA |
|--|--|
| USA/0361/B(U)F-85  | /85AA<br>/85AA<br>/85AA<br>/85AA<br>/85AA<br>/85AA<br>/85AA<br>/73AA<br>/85AA<br>/85AA |
| USA/0377/S   | /85AA<br>/85AA<br>/85AA<br>/85AA<br>/73AA<br>/85AA                                     |
| USA/USOI/D(U)F-05 5 ZUUZ.UO.SI D/4ZZ4/D(U)F-05 5 ITANSPURT CONTRAINER GNS II X X X X 0/  | /85AA<br>/73AA<br>/85AA<br>/85AA   |
| USA/0382/B(U)-85   |  |
| USA/0392/S 5 2003.10.31 Amersham Series 875 Capsule X X X X X 6/USA/0393/S 3 2007.02.07 CIS-US Model 791 X X X X X TSUSA/0394/S 2 2003.10.31 AMERSHAM 922 X X X X X 6/USA/0394/S 2 2003.10.31  | /85AA  |
| USA/0401/B(U)F-85  | /85AA<br>/73AA   |
| USA/0411/AF 8 2006.09.01 1 Models 5A, 5B, 8A, 12A, 12B MORE X X X X 6 6 USA/0411/H(U)-96 0 2006.09.01 CYLS. MODEL NOS. 5A, 5B, 8A MORE X X X X TS USA/0412/AF-96 10 2005.02.28 D/4305/AF-96 4 Model BU-D ALL X X X X TS WISA/0412/AF-96 10 2003.04.28 D/4305/AF-96 4 Model BU-D ALL X X X X TS WISA/0412/AF-96 10 2003.04.28 D/4305/AF-96 4 Model BU-D ALL X X X X TS WISA/0412/AF-96 10 2003.04.28 D/4305/AF-96 4 Model BU-D ALL X X X X TS WISA/0412/AF-96 10 2003.04.28 D/4305/AF-96 10 2003.04 D/4305/AF-96 10 | S-R-1<br>S-R-1   |
| USA/0413/S       2 2001.04.30       AMERSHAM MODELS 92802 AND 93302       X X X X 6         USA/0419/S       2 2004.08.31       3M Model 4P6E       PRIOR 3AUG89       X X X X 6         USA/0420/S       2 2005.01.31       3M Model 4P6M       prior 3Aug89       X X X X 6         USA/0427/S       3 2005.03.31       CIS-US MODELS 772 AND 774       ALL       X X X X X 6  | /85AA<br>/85AA   |
| USA/0442/AF-85   | /73AA<br>/85AA   |
| USA/0458/S 3 2007.02.28  | S-R-1<br>/85AA<br>/85AA  |
| USA/0461/B(U)-85   | S-R-1<br>/85AA   |
| USA/0468/B(U)-85   | /85AA<br>/85AA<br>/85AA  |
| USA/0475/B(U) 2 2002.10.31 CDN/2068/B(U) 2 NORDION GC 1000&3000 WITH 20WC5 1 to 41 X X X X 6 6 USA/0477/B(U)-85 3 2003.01.31 CDN/2069/B(U)-85 3 NORDION GC 1000&3000 WITH 20WC5 42 AND UP X X X X 6 6 USA/0480/AF 2 2002.07.31 CDN/4214/AF 2 AECL MODEL MAPLE 4 1 TO 7 X X X X X 6 6 USA/0483/(B(U)-85 4 2002.07.31 F/327/B(U)-85 Ef CC 30 SHELL + IBL437C X X X X X 6   | /85AA<br>/73AA   |
| USA/0485/B(U)F 1 2001.09.30 CDN/4212/B(U)F 7 AECL MODEL 4H 1 through 8 X X X X X 6/  | /73AA<br>/85AA<br>/85AA  |
| USA/0494/S   | /85AA<br>/85AA   |
| USA/0492/B(U)F-85  | /85AA<br>/85AA   |
| USA/0513/S 1 2004.02.28 CDN/2072/B(U)-85 3 NORDION F-127, F-127X & RAI/F127 59 AND UP X X X X 6/<br>USA/0513/S 1 2004.02.28 APA TECHN QSA MODEL X.560 ALL X X X X 6/<br>USA/0514/S 0 2001.12.31 AN-HP X X X X X 6/   | /85AA<br>/85AA<br>/85AA  |
| USA/0515/S 1 2006.04.01 IPL MODELS A3201, A3202, A3210 X X X X X 6/USA/0516/S 1 2006.04.01 IPL A3224-01, A3224-02, A3224-03 X X X X X 6/USA/0517/S 1 2006.04.01 IPL A3224-04, A3224-14, A3901-1 & X X X X X 6/USA/0518/S 1 2006.06.30 IPL Model A3908 X X X X X X 6/USA/0518/S 1 2006.06.30  | /85AA<br>/85AA<br>/85AA  |
| USA/0514/S   | /85AA<br>/85AA<br>/85AA  |
| USA/0509/B(U)-85 3 2004.02.28 CDN/2072/B(U)-85 3 NORDION F-127, F-127X & RAI/F127 59 AND UP X X X X 6 OUSA/0513/S 1 2004.02.28 AN-HP X X X X X 6 OUSA/0514/S 0 2001.12.31 AN-HP X X X X X 6 OUSA/0515/S 1 2006.04.01 IPL MODELS A3201, A3202, A3210 X X X X X 6 OUSA/0516/S 1 2006.04.01 IPL A3224-01, A3224-02, A3224-03 X X X X X 6 OUSA/0516/S 1 2006.04.01 IPL A3224-01, A3224-02, A3224-03 X X X X X 6 OUSA/0518/S 1 2006.04.01 IPL A3224-04, A3224-02, A3224-03 X X X X X 6 OUSA/0518/S 1 2006.06.30 IPL Model A3908 X X X X X 6 OUSA/0523/S 0 2002.01.31 JL SHEPHERD 7810-484-1 X X X X X 6 OUSA/0523/S 0 2002.01.31 JL SHEPHERD 7810-0109-R X X X X X 6 OUSA/0530/S 0 2002.01.31 JL SHEPHERD 7810-0109-R X X X X X 6 OUSA/0531/S 0 2002.08.31 Model DSK 2384 X X X X X 6 OUSA/0531/S 0 2002.08.31 Model DSK 2384 X X X X X 6 OUSA/0531/S 0 2003.06.30 JC38 SPERRY SUN SOURCE NO. 009100 X X X X X X 6 OUSA/0543/S 0 2003.01.23 SPERRY SUN SOURCE NO. 009100 X X X X X X 6 OUSA/0551/B(U)-85 1 2003.01.31 D/4326/B(U)-85 2 UK DESIGN NO. 3605C ALL X X X X 6 OUSA/0551/B(U)-85 0 2002.06.11 D/4316/B(U)F-85 2 AEA TECH. NEUTRON SOURCE CONTAIN ALL X X X X X 6 OUSA/0553/B(U)-85 0 2002.06.11 D/4316/B(U)F-85 2 AEA TECH. NEUTRON SOURCE CONTAIN ALL X X X X X 6 OUSA/0553/B(U)-85 0 2002.06.11 D/4316/B(U)-85 3 GNI IRPADIATED MATERIAL PACKAGE  | /85AA<br>/85AA<br>/85AA<br>/85AA   |
| USA/0544/S 1 2007.02.07 CIS-US MODEL 789 X X X X X TS USA/0545/B(U)-85 1 2003.01.31 GB/3605C/B(U)-85 2 UK DESIGN No. 3605C ALL X X X X X 6/ USA/0551/B(U)F-85 4 2005.01.31 D/4326/B(U)F-85 3 GNS-16 SPENT FUEL CASK X X X X X 6/   | S-R-1<br>/85AA<br>/85AA  |
| USA/0552/B(U)F-85  | /85AA  |

| ONLINED STATES OF AUG                 | ERIOR (COITE.)                 |                                      |     |  |                              |  |        |
|---------------------------------------|--------------------------------|--------------------------------------|-----|--|------------------------------|--|--------|
| CERTIFICATE<br>NUMBER                 | REV EXPIRY<br>DATE             | REVALIDATION<br>OF                   | REV | PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS | MODES<br>R R A S<br>A O I E                          |        |
|                                       |                                |                                      |     |  |                              | I A R A<br>L D                                       |        |
| USA/0556/B(U)-85<br>USA/0558/B(U)F-85 | 2 2004.09.30<br>1 2004.05.20   | J/001/B(U)-85/RI<br>J/150/B(U)F-85   |     | KATY JMS-87Y-18.5T (Kyoto University)                          |                              | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |        |
| USA/0559/S                            | 0 2004.10.31                   | 0. 200. 2 (0). 00                    |     | JL SHEPHERD & ASSOC. 6810G                                     |                              | X X X X  |        |
| USA/0562/B(U)-85                      |                                | ZA/CNS1005/B(U)-85                   |     | ZA/CNS1005/B(U)-85   |                              | XXXX   |        |
| USA/0563/AF-85                        | 3 2003.01.31                   | GB/3516A/AF-85                       |     | BNFL MODEL 3516 U TRANSPORT PKG                                | ALL                          | XXXX   |        |
| USA/0565/B(U)F-85<br>USA/0566/S       | 0 2002.08.31<br>0 2004.12.31   | F/357/B(U)F-85                       | AH  | TN-MTR<br>SP&E Model Nos. G & T                                |                              | XXXX   |        |
| USA/0567/AF-85                        | 1 2003.08.17                   | J/28/AF-85                           | 3   | 21PF-1 (type a), 21PF-1B (type e                               | LIMITED!!!                   | XXXX   |        |
| USA/0569/B(M)-85                      | 0 2002.04.03                   | J/82/B(M)-85                         |     | NR-10  |                              | X X X X  |        |
| USA/0570/S                            | 1 2005.02.02                   |                                      |     | CSN0010-192 BRACHYTHERAPY SOURCE                               | ALL                          | XXXX   |        |
| USA/0571/S<br>USA/0573/B(U)F-85       | 0 2005.02.02<br>0 2003.04.06   | D/4342/B(U)F-85                      | 0   | VARIAN MODEL VS-2000<br>TN 7-2 IRRAD. FUEL ASSY. CASK          |                              | X X X X  | 6/85AA |
| USA/0574/X                            | 0 2001.06.06                   | ,,,,                                 |     | NUFCOR Model 48Y UF6 CYLINDERS                                 | 606, 382369                  |  | 6/85AA |
| USA/0575/H(U)-96                      | 1 2006.02.02                   | E (050 (D (U) E 05                   |     | 2000 MED PACKAGE   |                              | XXXX   |        |
| USA/0577/B(U)F-85<br>USA/0578/B(U)-85 | 0 2003.12.31<br>0 2004.11.30   | F/358/B(U)F-85<br>CDN/2077/B(U)-85   |     | COG-OP-30B<br>F-231 (1985). F-231 MK2                          | 11 and higher                | XXXX   |        |
| USA/0586/X                            | 1 2002.06.01                   | F/621/X                              |     | TN 6-3   | II and migner                |  | 6/85AA |
| USA/0587/B(U)-85                      | 0 2004.02.29                   | CDN/2067/B(U)-85                     |     | NORDION GAMMACELL 40 MK3                                       | 11 AND UP                    | X X X X  |        |
| USA/0589/B(U)-85                      | 0 2002.11.30                   | CDN/1041/B(U)-85                     |     | MDS NORDION F-327/F-448  |                              | XXXX   |        |
| USA/0590/B(U)-85<br>USA/0591/B(U)-85  | 0 2003.11.30<br>1 2002.10.01   | GB/3605A/B(U)-85<br>GB/3750A/B(U)-85 |     | U.K. DESIGN NO. 3605A<br>REVISS MODEL 3750A                    |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0592/B(U)-85                      | 0 2003.11.30                   | GB/3605B/B(U)-85                     |     | U.K. DESIGN NO. 3605B  |                              | X X X X  |        |
| USA/0592/H(M)-96                      | 0 2006.09.01                   | OD (OCOEO (D(II)) OF                 | 0   | MODEL 48X and 48Y CYLINDERS                                    | ALL                          | XXXX   |        |
| USA/0593/B(U)-85<br>USA/0594/B(U)-85  | 0 2003.01.31<br>0 2003.11.30   | GB/3605C/B(U)-85<br>GB/3605M/B(U)-85 |     | U.K. DESIGN NO. 3605C<br>U.K. DESIGN NO. 3605M                 |                              | XXXX   |        |
| USA/0595/AF-85                        | 0 2002.03.17                   | J/156/AF-85                          |     | RAJ-III  |                              | XXXX   |        |
| USA/0597/S                            | 0 2006.08.01                   |                                      |     | AEA TECH-QSA MODEL X.2050                                      | ALL                          | X $X$ $X$ $X$  |        |
| USA/0601/B(U)-85<br>USA/0603/S        | 0 2003.11.30<br>0 2006.12.01   | GB/3605B/B(U)-85                     | 0   | ENCAPSULATED SOURCE CONTAINER AMERSHAM MODEL X.2163            |                              | X X X X X X X X X X X X X X X X X X X                |        |
| USA/0604/AF-85                        | 0 2003.07.27                   | J/113/AF-85                          | 7   | NT-IX  |                              | XXXX   |        |
| USA/0605/B(U)F-96                     | 0 2004.10.18                   | J/162/B(U)F-96                       | -   | JMS-87Y-18.5T (TOSHIBA CORP.)                                  |                              |  | TS-R-1 |
| USA/0606/S<br>USA/4909/AF             | 0 2007.06.30<br>15 2003.07.01  |                                      |     | AEA TECHN. MODEL VZ-64/1<br>DOT 21PF-1A & 21PF-1B              |                              | XXXX   |        |
| USA/4909/X                            | 15 2003.07.01                  |                                      |     | DOT Spec. 20PF-1,-2,-3   |                              | XXXX   |        |
| USA/4986/AF                           | 28 2003.03.31                  |                                      |     | RA-3   |                              | X X X X  |        |
| USA/5021/X                            | 5 2001.06.30                   |                                      |     | DOT Spec. 1A2 STEEL DRUM<br>SBWSC                              | ALI                          | XXXX   |        |
| USA/5467/AF-85<br>USA/5796/B(U)       | 1 2002.11.30<br>12 2002.07.31  |                                      |     | 181735 and 181361  | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/5979/B( )                         | 7 2005.09.30                   |                                      |     | ALPHA OMEGA MODEL 5979   |                              | X X X X  | 6/67   |
| USA/6050/B(U)                         | 13 2006.05.31                  | CDN/2005/B(U)                        | 13  | NORDION F-144; F-144-AC  | 1,5,9; 3                     | XXXX   |        |
| USA/6078/AF<br>USA/6125/B(U)          | 2 2005.10.31<br>12 2003.10.31  | CDN/2013/B(U)                        | 11  | MODEL NOS. 927A1 and 927C1<br>NORDION GAMMACELL 220            | 1 TO 256                     | XXXX   |        |
| USA/6162/B(U)                         | 16 2004.11.30                  | CDN/2008/B(U)                        |     | NORDION F-127 J-ROD  | 50,52,54                     | X X X X  |        |
| USA/6214/B(U)                         | 16 2004.02.28                  | CDN/1002/B(U)                        |     | NORDION F-112 AND F-113  | SEE CERT!!                   | XXXX   |        |
| USA/6217/B(U)<br>USA/6280/X           | 15 2004.03.31<br>0 2001.06.30  | CDN/2003/B(U)T                       | 13  | MDS NORDION F-143 AND F-158<br>MODEL A-0109 IN A-0117 OVERPACK | SEE CERT.<br>ALL             | X X X X X X X X X X X X X X X X X X X                |        |
| USA/6294/AF-85                        | 10 2001.03.31                  |                                      |     | MODEL NO. UN-2901  | 7122                         | XXXX   |        |
| USA/6306/B(U)                         | 14 2004.03.31                  | CDN/2012/B(U)                        |     | NORDION F-168 SHIPPING FLASK                                   | SEE CERT.                    | XXXX   |        |
| USA/6355/B(U)<br>USA/6400/B()F        | 12 2002.11.30<br>1 2002.07.31  | CDN/2009/B(U)                        | 10  | THERATRONICS F-147<br>Model 6400 SUPER TIGER                   | SEE CERT!<br>ALL             | X  |        |
| USA/6581/AF-85                        | 25 2004.05.31                  |                                      |     | SIEMENS POWER CORP. NO. 51032-1                                | 7122                         | XXXX   |        |
| USA/6613/B(U)                         | 8 2003.06.30                   |                                      |     | AMERSHAM MODEL 702   |                              | XXXX   |        |
| USA/6717/B(U)<br>USA/6788/B(U)-85     | 13 2003.11.30<br>3 2004.03.31  | GB/2799E/B(U)-85                     | 3   | AMERSHAM MODEL 6717-B<br>CROST ASOCIATES MODEL 2799E           | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/6788/B(U)F-85                     | 4 2001.08.01                   | GB/2799E/B(U)F-85                    |     | CROFT ASSOCIATES MODEL 2799E                                   | /ILL                         | XXXX   |        |
| UCA /0010 /D/ \=                      | 5 2004.03.31                   | GB/2799E/B(U)-85                     | 3   | CROFT ASSOCIATES MODEL 2799E                                   |                              | XXXX   |        |
| USA/9010/B( )F<br>USA/9019/AF         | 16 2001.04.30<br>26 2003.11.30 |                                      |     | NUCLEAR ASSURANCE CORP. NLI-1/2<br>General Electric Model BU-7 |                              | XXXX   |        |
| USA/9027/B(U)-85                      | 15 2006.02.28                  |                                      |     | MODEL NO. 741-OP   |                              | XXXX   |        |
| USA/9032/B(U)-85                      | 6 2004.10.31                   |                                      |     | Amersham Model 650   |                              | X $X$ $X$ $X$  |        |
| USA/9034/AF-85<br>USA/9035/B(U)-85    | 12 2005.12.31<br>11 2005.05.31 |                                      |     | TRIGA-I<br>MODEL NO 680-OP                                     | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/9036/B(U)-85                      | 12 2006.10.31                  |                                      |     | MODEL SPEC C-1   |                              | XXXX   |        |
| USA/9037/AF-85                        | 12 2005.12.31                  |                                      |     | TRIGA-2  | 055 0555                     | X X X X  | 6/85AA |
| USA/9039/B(U)<br>USA/9056/B(U)-85     | 11 2003.02.28<br>11 2005.04.30 |                                      |     | AMERSHAM MODEL 715<br>Model SPEC 2-T                           | SEE CERT!                    | X X X X X X X X X X X X X X X X X X X                |        |
| USA/9069/B( )F                        | 1 2005.04.30                   |                                      |     | Model MO-1   |                              | XXXX   |        |
| USA/9107/B(U)-85                      | 6 2003.06.30                   |                                      |     | Model 771 SHIPPING CONTAINER                                   |                              | X X X X  | 6/85AA |
| USA/9148/B(U)                         | 5 2002.09.01                   |                                      |     | AMERSHAM MODEL 770<br>Model PAT-2                              | ALL                          | XXXX   |        |
| USA/9150/B(U)-85<br>USA/9157/B(U)-85  | 6 2006.07.31<br>5 2004.09.30   |                                      |     | MODEL NO. IR-100   | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/9165/B(U)                         | 5 2003.12.31                   |                                      |     | AEA Technology Model 855                                       |                              | X X X X  | 6/73AA |
| USA/9166/B(U)-85                      | 3 2003.06.30                   |                                      |     | AEA Technology Model 864                                       | ALI                          | XXXX   |        |
| USA/9185/B(U)<br>USA/9187/B(U)        | 5 2003.11.30<br>5 2003.12.31   |                                      |     | MODEL NO. OP-100<br>AEA Technology Model 865                   | ALL                          | X X X X X X X X X X X X X X X X X X X                |        |
| USA/9196/AF-85                        | 22 2006.02.28                  |                                      |     | MODEL UX-30  |                              | X X X X  |        |
|                                       |                                |                                      |     |  |                              |  |        |

#### UNITED STATES OF AMERICA (cont.)

| CERTIFICATE<br>NUMBER  | REV EXPIRY<br>DATE   | REVALIDATION<br>OF | REV PACKAGE IDENTIFICATION   | PACKAGE<br>SERIAL<br>NUMBERS    | MODES<br>R R A S<br>A O I E<br>I A R A<br>L D | SAFETY<br>SERIES<br>NUMBER   |
|--|--|--------------------|--|---------------------------------|---|--|
| USA/9203/AF USA/9204/B(U)-85 USA/9215/B(U) USA/9217/AF USA/9228/B(U)F-85 USA/9228/B(U)F-85 USA/9239/AF USA/9248/AF USA/9248/AF USA/9250/B(U)-85 USA/9263/B(U)-85 USA/9263/B(U)-85 USA/9272/AF-85 USA/9274/AF USA/9282/B(U)-85 USA/9284/B(U)-85 USA/9284/AF-85 USA/9284/B(U)-85 | 6 2001.01.31<br>1 2005.10.31<br>5 2002.10.31<br>12 2005.06.30<br>26 2005.02.28<br>11 2006.03.31<br>11 2003.12.31<br>13 2007.03.31<br>5 2002.06.30<br>17 2004.02.28<br>4 2003.01.31<br>5 2005.06.30<br>3 2005.11.30<br>1 2007.01.31<br>3 2002.07.31<br>0 2003.06.30<br>0 2003.06.30<br>0 2005.05.31<br>1 2005.03.31<br>2 2005.03.31<br>1 2005.01.31<br>2 2005.01.31<br>3 2006.02.28<br>0 2006.02.28 |                    | MODEL DHTF CNS 10-160B NPI-20WC-6 MkII Model ANF-250 NAC-LWT GE MODEL 2000 NCI-21PF-1 WESTINGHOUSE MCC-3, MCC-4, MCC-5 MODEL 420 FRAMATOME ANP SP-12 and -3 BWX Tech Model NNFD 5X22 MDS NORDION MODEL F-294\ Model No. SPEC-150 AEA TECHNOLOGY/QSA MODEL 650L CE-B1 ABB-2901 SPEC-300 AEA Tech. OPL-660 and OP-660 ESP-30X Protective Shipping Pkg SRP-1 ECO-PAK OP-TU PATRIOT GLOBAL NUCLEAR FUEL MODEL NPC AEA TECHN. 880 SERIES PACKAGES | ALL ALL ALL ALL ALL ALL ALL ALL | X X X X X X X X X X X X X X X X X X X         | 6/85AA<br>6/73AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/73AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA<br>6/85AA |
| USA/9299/B(U)-85<br>USA/9516/B(U)F-85  | 0 2006.08.31<br>2 2003.02.28   |                    | MDS NORDION F-423 PKG/OVERPACK<br>Mound 1KW  | ALL                             | X  X  X  X                                    |  |

#### Appendix I

#### LIST OF COUNTRIES AND VRI CODES

| MEMBER STATE   | VRI ISO<br>CODE CODE | MEMBER STATE   | VRI ISO<br>CODE CODE | MEMBER STATE  NORWAY PAKISTAN PANAMA PARAGUAY PERU PHILIPPINES   | VRI ISO<br>CODE CODE |
|--|----------------------|--|----------------------|--|----------------------|
| AFGHANISTAN ALBANIA ALGERIA ANGOLA ARGENTINA ARMENIA AUSTRALIA AUSTRIA BANGLADESH BELARUS BELGIUM BENIN BOLIVIA BOSNIA & HERZEGOVINA BRAZIL BULGARIA                                       | AFG AF               | GREECE GUATEMALA HAITI HOLY SEE HUNGARY ICELAND INDIA INDONESIA  | GR GR                | NORWAY   | N NO                 |
| ALBANIA  | AL AL                | GUATEMALA  | GCA GT               | PAKISTAN   | PAK PK               |
| ALGERIA  | DZ DZ                | HAITI  | *HI* HI              | PANAMA   | PA PA                |
| ANGULA   | *AI* AI              | HULY SEE   | V VA                 | PARAGUAY   | PY PY                |
| ARGENTINA  | KA AK                | HUNGARY  | H HU<br>IS IS        | PERU<br>PHILIPPINES  | PE PE<br>RP PH       |
| ARMENIA<br>AUSTDALTA   | AMA AM<br>ALIC ALI   | ICELAND  | IND IN               | DUI VND<br>BUITISSINES   | RP PH<br>PL PL       |
| AUSTRALIA<br>AUSTRIA   | ΑU3 ΑU<br>Λ ΛΤ       | INDONESTA  | RI ID                | POLAND PORTUGAL QATAR REP. OF MOLDOVA  | PL PL<br>P PT        |
| BANGLADESH   | RD RD                | IRAN, ISLAMIC REPUBLIC OF  | IR IR                | NATAR  | 0 OA                 |
| BFI ARUS   | *BY* BY              | IRAO   | IRO IO               | REP. OF MOLDOVA  | MOI MD               |
| BELGIUM  | B BE                 | IRELAND  | IRL IE               | RUMANTA  | K KU                 |
| BENIN  | *BJ* BJ              | ISRAEL   | IL IL                | RUSSIAN FEDERATION   | RU RU                |
| BOLIVIA  | BOL BO               | ITALY  | I IT                 | SAUDI ARABIA   | SA SA                |
| BOSNIA & HERZEGOVINA   | BIH BA               | JAMAICA  | JA JM                | SENEGAL  | SN SN                |
| BRAZIL   | BR BR                | JAPAN  | J JP                 | SIERRA LEONE   | WAL SL               |
| BULGARIA   | BG BG                | JORDAN   | HKJ JO               | SINGAPORE  | SGP SG               |
| BURKINA FASO   | BF BF                | KAZAKHSTAN   | *KZ* KZ              | SLOVAKIA   | SK SK                |
| BOSNIA & HERZEGOVINA BRAZIL BULGARIA BURKINA FASO CAMBODIA CAMEROON CANADA CHILE CHINA COLOMBIA COSTA RICA COTE d'IVOIRE CROATIA CUBA CYPRUS CZECH REPUBLIC DEM. REP. OF THE CONGO DENMARK | K KH<br>CAM CM       | IRAN, ISLAMIC REPUBLIC OF IRAQ IRELAND ISRAEL ITALY JAMAICA JAPAN JORDAN KAZAKHSTAN KENYA KOREA, REPUBLIC OF KUWAIT LATVIA LEBANON LIBERIA   | EAK KE<br>ROK KR     | RUSSIAN FEDERATION SAUDI ARABIA SENEGAL SIERRA LEONE SINGAPORE SLOVAKIA SLOVENIA SOUTH AFRICA SPAIN SRI LANKA SUDAN SWEDEN SWITZERLAND SYRIAN ARAB REPUBLIC THAILAND TUNISIA TURKEY UGANDA UKRAINE | SLO SI<br>7A 7A      |
| CANADA   | CAM CM               | KUREA, REPUBLIC UF   | KUK KK               | SOUTH AFRICA   | F FS                 |
| CHILF  | RCH CL               | LATVIA   | IV IV                | SRI LANKA  | CL LK                |
| CHINA  | VRC CN               | I FBANON   | RL LB                | SUDAN  | SUD SD               |
| COLOMBIA   | CO CO                | LIBERIA  | LB LR                | SWEDEN   | S SE                 |
| COSTA RICA   | CR CR                | LIBYAN ARAB JAMAHIRIYA   | LAR LY               | SWITZERLAND  | CH CH                |
| COTE d'IVOIRE  | CI CI                | LIECHTENSTEIN  | FL LI                | SYRIAN ARAB REPUBLIC   | SYR SY               |
| CROATIA  | HR HR                | LITHUANIA  | LT LT                | THAILAND   | T TH                 |
| CUBA   | C CU                 | LUXEMBOURG   | L LU                 | TUNISIA  | TN TN                |
| CYPRUS   | CY CY                | MADAGASCAR   | RM MG                | TURKEY   | TR TR                |
| CZECH REPUBLIC   | CZ CZ                | MALAYSIA   | MAL MY               | UGANDA   | EAU UG               |
| DEM. REP. OF THE CONGO<br>DENMARK  | RCB CD<br>DK DK      | MALI   | RMM ML<br>M MT       | UKRAINE  | UA UA<br>UAF AF      |
| DOMINICAN DED  | DOM DO               | MADSHALL TSLANDS   | *MH* MH              | UNITED ARAB EMIRATES UNITED KINGDOM  | GB GB                |
| DENMARK DOMINICAN REP. ECUADOR EGYPT EL SALVADOR ESTONIA ETHIOPIA FINLAND  | FC FC                | MAURITIUS  | MS MU                | UNITED REP. OF TANZANIA  | FAT T7               |
| FGYPT  | ET EG                | MEXICO   | MEX MX               | UNITED STATES OF AMERICA   | USA US               |
| EL SALVADOR  | ES SV                | MONACO   | MC MC                |  | U UY                 |
| ESTONIA  | EW EE                | MONGOLIA   | *MN* MN              | UZBEKISTAN   | *UZ* UZ              |
| ETHIOPIA   | ETH ET               | MOROCCO  | MA MA                | VENEZUELA  | YV VE                |
| FINLAND  | FIN FI               | MYANMAR  | BUR BU               | VIET NAM   | VN VN                |
| FORMER YUG.REP.OF MACEDONIA  |                      | NAMIBIA  | NAM NA               | YEMEN  | YE YE                |
| FRANCE   | F FR                 | NE l'HERLANDS  | NL NL                | URUGUAY UZBEKISTAN VENEZUELA VIET NAM YEMEN YUGOSLAVIA ZAIRE ZAMBIA ZIMBABWE   | YU YU                |
| GABON  | *GA* GA              | NEW ZEALAND  | NZ NZ                | ZAMPTA   | ZRE ZR               |
| GEORGIA<br>GERMANY   | *GE* GE<br>D DF      | NICED  | NIC NI<br>RN NE      | ZAMBIA<br>ZIMBADUE   | Z ZM<br>7W 7W        |
| FRANCE<br>GABON<br>GEORGIA<br>GERMANY<br>GHANA   | GH GH                | LIBYAN ARAB JAMAHIRIYA LIECHTENSTEIN LITHUANIA LUXEMBOURG MADAGASCAR MALAYSIA MALI MALTA MARSHALL ISLANDS MAURITIUS MEXICO MONACO MONGOLIA MOROCCO MYANMAR NAMIBIA NETHERLANDS NEW ZEALAND NICARAGUA NIGER NIGERIA | WAN NG               | Z IIIDADWE   | ∠W ∠W                |
| ULIANA   | an an                | NIGENIA  | WAIN ING             |  |                      |

#### Appendix II

#### **COMPETENT AUTHORITY ADDRESSES**

| RI<br>CODE | NAME AND ADDRESS   | VRI<br>CODE | NAME AND ADDRESS  |
|------------|--|-------------|---|
| А          | Bundesmin. f. Verkehr, Innovation und Technologie<br>Abteilung II/B/9<br>Radetzkystraße 2<br>A-1031 Vienna<br>Austria  | AUS         | Australian Rad. Protection & Nuclear Safety Agency<br>P.O. Box 655<br>Miranda. NSW 1490<br>Australia  |
| В          | Federal Agency for Nuclear Control<br>Radiation Protection Department<br>Ravensteinstraat 36<br>B-1000 Brussels<br>Belgium   | CDN         | Canadian Nuclear Safety Commission<br>P.O. Box 1046<br>Ottawa. Ontario. K1P 5S9<br>Canada   |
| СН         | Swiss Federal Nuclear Safety Inspectorate<br>Section for Transport and Waste Management<br>CH-5232 Villigen - HSK<br>Switzerland   | CN          | China National Nuclear Corporation<br>P.O. Box 2102<br>Beijing 100822<br>China  |
| CZ         | State Office for Nuclear Safety<br>Senovazne namesti 9<br>110 00. Prague 1<br>Czech Republic   | D           | Bundesamt f r Strahlenschutz<br>Postfach 100149, D-38201 Salzgitter<br>Bundesanstalt f. Materialforschung & -pr fung<br>Unter den Eichen 87, D-12205 Berlin<br>Germany    |
| DDR        | see "D" GERMANY  | DK          | National Board of Health<br>National Institute of Radiation Hygiene<br>7 Knapholm<br>DK-2730 Herlev<br>Denmark  |
| E          | Ministerio de Economia<br>Direccion General de Politica Energetica y Minas<br>Paseo de la Castellana 160<br>E-28046 Madrid<br>Spain  | ET          | Atomic Energy Authority<br>101. Kasr El-Eini Street<br>Cairo. Egypt   |
| F          | Dir. Generale de la Surete, Nucleaire & Radioprotection<br>Boite postale 83<br>F-92266 Fontenay-aux-Roses CEDEX<br>France  | FIN         | Radiation and Nuclear Safety Authority (STUK)<br>P.O. Box 14<br>FIN-00881 Helsinki<br>Finland   |
| GB         | Dept. of Transport<br>Radioactive Materials Transport Division<br>76 Marsham Street<br>London SW1P 4DR<br>United Kingdom   | Н           | Hungarian Atomic Energy Authority<br>P.O. Box 676<br>H-1539 Budapest 114<br>Hungary   |
| I          | Agenzia Nazionale per la Protezione dell'Ambiente (ANPA)<br>Via Vitaliano Brancati 48<br>Divisione TEC-TRA<br>I-00144 Rome<br>Italy  | IL          | Israel Atomic Energy Commission<br>P.O. Box 7061<br>61070 Tel Aviv<br>Israel  |
| IND        | Atomic Energy Regulatory Board<br>Niyamak Bhavan<br>Anushaktinagar<br>Mumbai 400 094<br>India  | IRL         | Radiological Protection Institute<br>3 Clonskeagh Square<br>Clonskeagh Road<br>Dublin 14<br>Ireland   |
| J          | Transportation Regulation Office<br>Nuclear and Industrial Safety Agency<br>Ministry of Economy, Trade and Industry<br>1-3-1 Kasumigaseki, Chiyoda-ku<br>Tokyo 100-8986, Japan | NL          | Ministry of Housing, Spatial Planning and the Environment<br>Directorate General for Environmental Prot./IPC 645<br>P.O. Box 30945<br>NL-2500 GX The Hague<br>Netherlands |
| PL         | National Atomic Energy Agency<br>Regulatory Control of Radiation Applications Dept.<br>ul. Konwaliowa 7<br>PL 03194 Warszawa<br>Poland   | RA          | Autoridad Regulatoria Nuclear<br>Avda. del Libertador 8250<br>1429 Buenos Aires<br>Argentina  |
| ROK        | Radiation Safety Division<br>Atomic Energy Office<br>Ministry of Science and Technology<br>2nd Government Bldg.<br>Republic of Korea 427 760                                   | RU          | Minitry of the Russian Federation for Atomic Energy<br>Department of Safety and Emergency Situations<br>ul. B. Ordynka 24/26<br>101000 Moscow<br>Russia                   |

VRI NAME AND ADDRESS CODE

S Swedish Nuclear Power Inspectorate S-106 58 Stockholm AND Swedish Radiation Protection Institute S-171 16 Stockholm Sweden

- SLO Slovenian Nuclear Safety Administration Vojkova 59 SI-1113 Ljubljana Slovenia
- USA Office of Hazardous Materials Technology (DHM-2) Research and Special Programs Administration U.S. Department of Transportation 400 Seventh Street SW Washington DC 20590, USA

VRI NAME AND ADDRESS CODE

SA King Abdulaziz City for Science & Technology P.O. Box 6086 11442 Riyadh Saudi Arabia

- UA State Nuclear Regulatory Committee 9/11 Arsenalna Kyiv 01011 Ukraine
- ZA National Nuclear Regulator P.O. Box 7106 Centurion 0046 South Africa

Appendix III **NUMBERS OF CURRENT AND EXPIRED CERTIFICATES** 

| MEMBER STATE             | EXPIRED | CURRENT | TOTAL |
|--------------------------|---------|---------|-------|
| ARGENTINA                | 3       | 17      | 20    |
| AUSTRALIA                | 8       | 17      | 25    |
| AUSTRIA                  | 4       | 8       | 12    |
| BELGIUM                  | 34      | 30      | 64    |
| CANADA                   | 35      | 88      | 123   |
| CZECH REPUBLIC           | 7       | 35      | 42    |
| DENMARK                  | 2       | 2       | 4     |
| FINLAND                  | 5       | 5       | 10    |
| FRANCE                   | 35      | 113     | 148   |
| GERMANY                  | 44      | 103     | 147   |
| HUNGARY                  | 6       | 15      | 21    |
| INDIA                    | 0       | 10      | 10    |
| ITALY                    | 0       | 2       | 2     |
| JAPAN                    | 10      | 89      | 99    |
| NETHERLANDS              | 14      | 24      | 38    |
| POLAND                   | 15      | 0       | 15    |
| RUSSIAN FEDERATION       | 86      | 256     | 342   |
| SLOVENIA                 | 0       | 0       | 0     |
| SOUTH AFRICA             | 2       | 9       | 11    |
| SPAIN                    | 6       | 17      | 23    |
| SWEDEN                   | 21      | 25      | 46    |
| SWITZERLAND              | 9       | 20      | 29    |
| UKRAINE                  | 1       | 9       | 10    |
| UNITED KINGDOM           | 81      | 73      | 154   |
| UNITED STATES OF AMERICA | 48      | 210     | 258   |
| TOTALS                   | 476     | 1178    | 1653  |

#### Notes:

- 1) "EXPIRED" refers to certificates that expired between 2001.01.01 and 2002.08.01 2) "CURRENT" refers to certificates that were valid as of 2002.08.01
- 3) All records that expired before 2001.01.01 were archived, and are not included in this report.

### Appendix IV DATA INPUT FORM

| CERTIICATE NUMBER                                   |     |      | REVIS | REVISION No. |                          |   |          |               | COUNTRY                     |     |     |               |
|---|-----|------|-------|--------------|--------------------------|---|----------|---------------|-----------------------------|-----|-----|---------------|
| VALIDATION OF                                       |     |      | REVIS | REVISION No. |                          |   |          |               | COUNTRY                     |     |     |               |
| ISSUE DATE (YYYY-MM-DD)                             |     |      |       | EXPIR        | EXPIRY DATE (YYYY-MM-DD) |   |          | SAFETY SERIES |                             |     |     |               |
| IDENTIFICATION SERIAL NUMBERS                       |     |      |       |              |                          |   |          |               |                             |     |     |               |
| SERVICE ROMBERO                                     |     |      |       |              |                          |   |          |               |                             |     |     |               |
| APPROVED<br>MODES OF<br>TRANSPORT:                  | SEA |      | AIR   |              | ROAD                     |   | RAIL APP |               | PROXIMATE PACKAGE MASS (kg) |     |     |               |
| SHAPE   |     |      | 0     | U T          | E R                      | D |          | И E           | . N                         | S I | O N | S (all in mm) |
|   | -   | LENG |       | <u> </u>     | WIDTH                    |   |          |               | DIAME                       |     |     | HEIGHT        |
| SHIELDING MATERIAL OUTER CASING                     |     |      |       |              |                          |   |          |               |                             |     |     |               |
| GENERAL DESCRIPTION OF PACKAGE (max. 66 characters) |     |      |       |              |                          |   |          |               |                             |     |     |               |
|   |     |      |       |              |                          |   |          |               |                             |     |     |               |
| AUTHORIZED CONTENTS (max. 66 characters)            |     |      |       |              |                          |   |          |               |                             |     |     |               |
| REVISION REASO                                      | ON  |      |       |              |                          |   |          |               |                             |     |     |               |
| COMMENT1  |     |      |       |              |                          |   |          |               |                             |     |     |               |
| COMMENT2  |     |      |       |              |                          |   |          |               |                             |     |     |               |
| COMMENT3  |     |      |       |              |                          |   |          |               |                             |     |     |               |
| SUBMITTING ORGANIZATION                             |     |      |       |              |                          |   |          |               |                             |     |     |               |
|   |     |      |       |              |                          |   |          |               |                             |     |     |               |
|   |     |      |       |              |                          |   |          |               |                             |     |     |               |
| DATE SUBMITTE                                       | D   |      |       |              |                          |   | SUBM     | ITTE          | D BY                        |     |     |               |
|   |     |      |       |              |                          |   |          |               |                             |     |     |               |

DISCLAIMER: The information in this form is not complete nor guaranteed to be accurate. If detailed information is required the original certificate must be consulted.