



International Atomic Energy Agency

INFCIRC/40/Rev.4  
12 June 1967

GENERAL Distr.

Original: ENGLISH

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## MATERIALS DELIVERED BY MEMBER STATES

1. The information given in this document is divided into two parts. In part I the Director General is reporting to the Members of the Agency, under Article IX.G of the Statute, the quantities of materials delivered by Members up to 31 December 1966 in compliance with requests the Agency had made under Article IX.D.

2. Part II contains information about materials which had not been delivered by 31 December but which had been allocated, in accordance with Article XI.F.1 of the Statute, to approved Agency projects for which project arrangements were in force on that date.

## ABBREVIATIONS AND SIGNS USED

|             |   |  |
|-------------|---|--|
| Congo, D.R. | — | Democratic Republic of the Congo                     |
| UAR         | — | United Arab Republic                                 |
| UK          | — | United Kingdom of Great Britain and Northern Ireland |
| USA         | — | United States of America                             |
| USSR        | — | Union of Soviet Socialist Republics                  |
| n           | — | Natural uranium                                      |
| n/d         | — | Natural or depleted uranium                          |
| Np          | — | Neptunium  |
| Pu          | — | Plutonium  |
| Th          | — | Thorium  |
| U           | — | Uranium  |
| *           | — | Less than 1 $\mu$ g                                  |
| **          | — | Less than 1 mg but over 1 $\mu$ g                    |
| ***         | — | Less than 0.5 g but over 1 mg                        |

## I. MATERIALS DELIVERED BY MEMBER STATES UP TO 31 DECEMBER 1966

| Item                          | Supplier        | Recipient   | Fissionable isotope content (grams <sup>a)</sup> ) | Quantity                                   |  | Type of trans- action                   | Date of transfer of possession | Text of agreement (INFCIRC/ .. ) |
|-------------------------------|-----------------|-------------|--|--|--|---|--------------------------------|----------------------------------|
|                               |                 |             |  | Total element (kilo- grams <sup>a)</sup> ) | Enrichment by weight in <sup>235</sup> U (per cent <sup>a)</sup> ) |   |                                |                                  |
| NUCLEAR MATERIALS             |                 |             |  |  |  |   |                                |                                  |
| SPECIAL FISSIONABLE MATERIALS |                 |             |  |  |  |   |                                |                                  |
| Plutonium                     |                 |             |  |  |  |   |                                |                                  |
| 1                             | UK              | Agency      | **   |  |  | Sale                                    | Jan 1962                       |                                  |
| 2                             | USA             | Agency      | *  |  |  | Gift                                    | Apr 1962                       |                                  |
| 3                             | USA             | Agency      | *  |  |  | Gift                                    | Sep 1962                       |                                  |
| 4                             | USA             | Greece      | 80   |  |  | Sale                                    | Jun 1963                       |                                  |
| 5                             | UK              | Yugoslavia  | ***  |  |  | Sale                                    | Oct 1963                       |                                  |
| 6                             | France          | Yugoslavia  | 5  |  |  | Gift                                    | Dec 1963                       |                                  |
| 7                             | USA             | Agency      | 96   |  |  | Gift                                    | Mar 1964                       |                                  |
| 8                             | USA             | Yugoslavia  | ***( <sup>240</sup> Pu)                            |  |  | Sale                                    | Jun 1964                       |                                  |
| 9                             | USA             | Yugoslavia  | ***  |  |  | Sale                                    | Jun 1964                       |                                  |
| 10                            | UK              | Agency      | ***  |  |  | Sale                                    | Jun 1964                       |                                  |
| 11                            | USA             | Agency      | ***  |  |  | Sale                                    | Jul 1964                       |                                  |
| 12                            | USA             | Pakistan    | 112  |  |  | Sale                                    | Apr 1965                       | 34                               |
| 13                            | USA             | Turkey      | 72   |  |  | Gift                                    | May 1966                       |                                  |
| Enriched uranium              |                 |             |  |  |  |   |                                |                                  |
| 1                             | USA             | Norway      | 42 206   |  | 3  | Lease                                   | Oct 1961                       | 29                               |
| 2                             | USA             | Finland     | 2 492  |  | 20   | Gift                                    | Feb 1962                       | 24                               |
| 3                             | USA             | Finland     | 5  |  | 93   | Gift                                    | Feb 1962                       | 24                               |
| 4                             | USA/<br>Belgium | Congo, D.R. | 1 988  |  | 20   | Sale to Belgium, gift to Congo, D.R. b) | Jun 1962                       | 37                               |
| 5                             | USA/<br>Belgium | Congo, D.R. | 3  |  | 94   | Sale to Belgium, gift Congo, D.R. b)    | Jun 1962                       | 37                               |
| 6                             | USA             | Austria     | 200  |  | 90   | Sale                                    | Jul 1963                       |                                  |
| 7                             | UK              | Yugoslavia  | ***  |  | 93   | Sale                                    | Oct 1963                       |                                  |
| 8                             | USA             | Finland     | ***  |  | 100  | Sale                                    | Oct 1963                       |                                  |
| 9                             | USSR            | Finland     | 3 025  |  | 10   | Sale                                    | Mar 1964                       | 53                               |
| 10                            | USA             | Agency      | 3  |  | 94   | Sale                                    | Apr 1964                       |                                  |
| 11                            | USA             | Agency      | ***  |  | 2  | Sale                                    | Apr 1964                       |                                  |
| 12                            | USA             | Norway      | (40 476) <sup>c)</sup>                             |  | 3  | Return <sup>c)</sup>                    | Jun 1964                       | 29                               |
| 13                            | USA             | Yugoslavia  | 3  |  | 95   | Sale                                    | Jun 1964                       |                                  |
| 14                            | UK              | Agency      | ***  |  | 93   | Sale                                    | Jun 1964                       |                                  |
| 15                            | USA             | Finland     | ***  |  | 93   | Sale                                    | Aug 1964                       |                                  |
| 16                            | USA             | Agency      | 3  |  | 80   | Sale                                    | Nov 1964                       |                                  |
| 17                            | USA             | Norway      | 57 930   |  | 3  | Lease                                   | Nov 1964                       | 29/Add.2/part II                 |
| 18                            | USA             | Argentina   | 2 940  |  | 90   | Gift d)                                 | Dec 1964                       | 62                               |
| 19                            | USA             | Pakistan    | 5 175  |  | 90   | Part gift, part sale                    | Apr 1965                       | 34                               |
| 20                            | USA             | Pakistan    | 2  |  | 93   | Sale                                    | Apr 1965                       | 34                               |
| 21                            | USA             | Yugoslavia  | 292  |  | 20   | Gift                                    | Nov 1965                       | 32/Add.1                         |
| 22                            | USA             | Yugoslavia  | 2 376  |  | 20   | Gift                                    | Dec 1965                       | 32                               |
| 23                            | USA             | Yugoslavia  | 3  |  | 93   | Gift                                    | Dec 1965                       | 32                               |
| 24                            | USA             | Argentina   | 893  |  | 90   | Gift d)                                 | Dec 1965                       | 62/Add.1                         |
| 25                            | USA             | Romania     | 105  |  | 93   | Gift e)                                 | Dec 1966                       |                                  |

## MATERIALS DELIVERED BY MEMBER STATES

| Item                  | Supplier | Recipient  | Fissionable<br>isotope<br>content<br>(grams <sup>a</sup> ) | Quantity   |  | Type of<br>trans-<br>action             | Date of<br>transfer of<br>possession | Text of<br>agreement<br>(INFCIRC/.. ) |
|-----------------------|----------|------------|--|--|--|---|--------------------------------------|---------------------------------------|
|                       |          |            |  | Total<br>element<br>(kilo-<br>grams <sup>a</sup> ) | Enrichment<br>by weight<br>in <sup>235</sup> U<br>(per cent <sup>a</sup> ) |   |                                      |                                       |
| Uranium-233           |          |            |  |  |  |   |                                      |                                       |
| 1                     | USA      | Agency     | ***  |  |  | Sale                                    | Jul 1964                             |                                       |
| SOURCE MATERIALS      |          |            |  |  |  |   |                                      |                                       |
| Uranium               |          |            |  |  |  |   |                                      |                                       |
| 1                     | Canada   | Japan      |  | 3 042 f)   | n  | Gift to the<br>Agency, sale<br>to Japan | Nov 1959 f)                          | 3                                     |
| 2                     | Sweden   | Agency     |  | 9  | n/d  | Gift                                    | Jun 1963                             |                                       |
| 3                     | Canada   | Agency     |  | 4  | n/d  | Gift                                    | Jul 1963                             |                                       |
| 4                     | UK       | UAR        |  | 2  | n  | Sale                                    | Nov 1964                             |                                       |
| Thorium               |          |            |  |  |  |   |                                      |                                       |
| 1                     | USA      | Finland    |  | ***( <sup>230</sup> Th)                            |  | Sale                                    | Oct 1963                             |                                       |
| NON-NUCLEAR MATERIALS |          |            |  |  |  |   |                                      |                                       |
| 1                     | UK       | Yugoslavia |  | ***( <sup>237</sup> Np)                            |  | Sale                                    | Oct 1963                             |                                       |

a) Rounded off to the nearest integer.

b) The material was purchased by Belgium from USA on 9 December 1958, and donated by Belgium to Congo, D.R., through the Agency and with the approval of the supplier pursuant to the TRICO Title Transfer Agreement (INFCIRC/37, part I). The date given in the table is therefore that of the transfer of title.

c) See item 1 under this sub-heading; title to the balance of the material was at the same time transferred to Norway as a gift (INFCIRC/29/Add.2, part I).

d) The material had previously been leased by USA to Argentina and was in Argentina at the time of the transfer of title from USA, through the Agency, to Argentina. The date given in the table is therefore that of the transfer of title.

e) Supplied in connection with Agency Research Contract No 229/RB.

f) Samples weighing 26 kilograms, which were transferred at an earlier date, are included in this amount.

## II. MATERIALS ALLOCATED BUT NOT DELIVERED BY 31 DECEMBER 1966

| Item                          | Supplier | Recipient              | Quantity   |  | Enrichment<br>by weight<br>in <sup>235</sup> U<br>(per cent <sup>a</sup> ) | Type of<br>transaction | Text of agreement<br>(INFCIRC/ .. ) |
|-------------------------------|----------|------------------------|--|--|--|------------------------|-------------------------------------|
|                               |          |                        | Fissionable<br>isotope<br>content<br>(grams <sup>a</sup> ) | Total<br>element<br>(kilo-<br>grams <sup>a</sup> ) |  |                        |                                     |
| NUCLEAR MATERIALS             |          |                        |  |  |  |                        |                                     |
| SPECIAL FISSIONABLE MATERIALS |          |                        |  |  |  |                        |                                     |
| Plutonium                     |          |                        |  |  |  |                        |                                     |
| 1                             | USA      | Uruguay <sup>b</sup> ) | 80   |  |  | Gift                   | 67                                  |
| 2                             | USA      | India                  | 80   |  |  | Gift                   | 82                                  |
| 3                             | USA      | Mexico                 | 80   |  |  | Gift                   |                                     |
| 4                             | France   | Agency                 | 12   |  |  | Gift                   |                                     |
| Enriched uranium              |          |                        |  |  |  |                        |                                     |
| 1                             | USA      | Congo, D.R.            | 200  |  | 20   | Gift                   | 37                                  |
| 2                             | USA      | Congo, D.R.            | 5  |  | 90   | Gift                   | 37                                  |
| 3                             | USA      | Mexico                 | 4 000  |  | 20   | Gift                   | 52                                  |
| 4                             | USA      | Mexico                 | 4  |  | 90   | Gift                   | 52                                  |
| 5                             | USA      | Uruguay <sup>b</sup> ) | 3 183  |  | 20   | Gift                   | 67                                  |
| 6                             | USA      | Uruguay <sup>b</sup> ) | 3  |  | 90   | Gift                   | 67                                  |
| 7                             | USA      | Finland                | 370  |  | 20   | Gift                   | 24/Add.2                            |
| 8                             | USA      | Philippines            | 2 920  |  | 93   | Gift                   | 88                                  |
| 9                             | UK       | Agency                 | 1  |  | c)   | Gift                   |                                     |
| SOURCE MATERIALS              |          |                        |  |  |  |                        |                                     |
| Uranium                       |          |                        |  |  |  |                        |                                     |
| 1                             | USA      | Mexico                 |  | 2 530  |  | Lease                  | 82                                  |

a) Rounded off to nearest integer.

b) The material was in Montevideo at the end of the year, but had not been transferred to Uruguay.

c) Five exsamples each containing 0.595 grams uranium enriched to 90 %, 50 %, 20 %, 10 % and 1 % respectively.