

Information Circular

INFCIRC/549/Add.1/6

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General Distribution

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Communication received from Japan Concerning its Policies regarding the Management of Plutonium

1. The Director General has received a Note Verbale, dated 4 September 2003, from the Permanent Mission of Japan to the IAEA in the enclosures of which the Government of Japan, in keeping with Japan's commitment under the Guidelines for the Management of Plutonium (contained in INFCIRC/549 of 16 March 1998 and hereinafter referred to as the "Guidelines"), and in accordance with Annexes B and C of the Guidelines, has made available annual figures for holdings of civil unirradiated plutonium and the estimated amount of plutonium contained in spent civil reactor fuel as of 31 December 2002.
2. In the light of the request expressed by the Government of Japan in its Note Verbale of 1 December 1997 concerning its policies regarding the management of plutonium (INFCIRC/549 of 16 March 1998), the enclosures of the Note Verbale of 4 September 2003 are attached for the information of all Member States.

ANNUAL FIGURES FOR HOLDINGS OF CIVIL UNIRRADIATED PLUTONIUM

National Totals

as of 31 Dec. 2002.

(Previous year's
figures in brackets)
Rounded to 100 kg
plutonium with
quantities less than
50kg reported as such

[kgPu]

1. Unirradiated separated plutonium in product stores at reprocessing plants.	<u>800</u>	(<u>800</u>)
2. Unirradiated separated plutonium in the course of manufacture or fabrication and plutonium contained in unirradiated semi-fabricated or unfinished products at fuel or other fabricating plants or elsewhere.	<u>3000</u>	(<u>2900</u>)
3. Plutonium contained in unirradiated MOX fuel or other fabricated products at reactor sites or elsewhere.	<u>1100</u>	(<u>1500</u>)
4. Unirradiated separated plutonium held elsewhere.	<u>400</u>	(<u>400</u>)

Note:

(i) Plutonium included in lines 1–4 above belonging to foreign bodies.	<u>0</u>	(<u>0</u>)
(ii) Plutonium in any of the forms in lines 1–4 above held in locations in other countries and therefore not included above.	<u>33300</u>	(<u>32400</u>)
(iii) Plutonium included in lines 1–4 above which is in international shipment prior to its arrival in the recipient State.	<u>0</u>	(<u>0</u>)

**ESTIMATED AMOUNT OF PLUTONIUM CONTAINED IN SPENT CIVIL
REACTOR FUEL**

National Totals

as of 31 Dec. 2002.

(Previous year's
figures in brackets)
Rounded to 1000 kg
plutonium with
quantities less than
500kg reported as such

[kgPu]

1. Plutonium contained in spent fuel at civil reactor sites.	<u>90000</u>	(<u>86000</u>)
2. Plutonium contained in spent fuel at reprocessing plants.	<u>7000</u>	(<u>4000</u>)
3. Plutonium contained in spent fuel held elsewhere.	<u>Less than 500 kgPu</u>	(<u>Less than 500 kgPu</u>)

Note:

- (i) The treatment of material sent for direct disposal will need further consideration when specific plans for direct disposal have taken concrete form.
- (ii) Definitions:
 - Line 1: covers estimated amounts of plutonium contained in fuel discharge from civil reactors;
 - Line 2: covers estimated amounts of plutonium contained in fuel received at reprocessing plants but not yet reprocessed.