

## Information Circular

**INFCIRC/549/Add.1/9**

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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 13 September 2006 from the Permanent Mission of Japan to the IAEA in the enclosures of which the Government of Japan, in keeping with its 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 2005.
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 13 September 2006 are attached for the information of all Member States.

ANNUAL FIGURES FOR HOLDINGS OF CIVIL UNIRRADIATED PLUTONIUM

National Totals

as of 31 Dec. 2005.  
(Previous year's  
figures in brackets)  
Rounded to 100kg  
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>3400</u>	( <u>3100</u> ) ✓
3. Plutonium contained in unirradiated MOX fuel or other fabricated products at reactor sites or elsewhere.	<u>1300</u>	( <u>1300</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> ) ✓
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(ii) Plutonium in any of the forms in lines 1-4 above held in locations in other countries and therefore not included above.	<u>37900*</u>	( <u>37100*</u> ) ✓
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(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> ) ✓
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\*;Japan has recently reviewed our calculation method to ensure that all nuclear decay of Pu241 in the overseas Reprocessing plants is taken into account. Japan has revised all the previous figures submitted to the IAEA yearly since 1997 and these figures are shown below for reference.

1997	1998	1999	2000	2001	2002	2003	2004
18,900	24,200	27,300	31,900	32,200	33,000	34,900	37,100

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

National Totals

as of 31 Dec. 2005.  
(Previous year's  
figures in brackets)  
Rounded to 1000kg  
plutonium with  
quantities less than  
500kg reported as such

		[ kgPu ]
1. Plutonium contained in spent fuel at civil reactor sites.	106000	( <u>102000</u> )
2. Plutonium contained in spent fuel at reprocessing plants.	14000	( <u>11000</u> )
3. Plutonium contained in spent fuel held elsewhere.	<u>less than 500kgPu</u>	( <u>less than 500kgPu</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 discharged from civil reactors
  - Line 2: covers estimated amounts of plutonium contained in fuel received at reprocessing plants but not yet reprocessed.