

# Information Circular

**INFCIRC/549/Add.5/8**

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**General Distribution**

English

Original: French

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## Communication Received from France Concerning Its Policies Regarding the Management of Plutonium

### **Statements on the Management of Plutonium and of High Enriched Uranium**

1. The Director General has received a Note Verbale, dated 12 October 2004, from the Permanent Mission of France to the IAEA in the enclosures of which the Government of France, 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 amounts of plutonium contained in spent civil reactor fuel as of 31 December 2003.
2. The Government of France has also made available a statement of its annual figures for holdings of civil high enriched uranium (HEU) as of 31 December 2003.
3. In light of the request expressed by the Government of France in its Note Verbale of 28 November 1997 concerning its policies regarding the management of plutonium (INFCIRC/549 of 16 March 1998), the enclosures of the Note Verbale of 12 October 2004 are attached for the information of all Member States.

**ANNEX B:  
ANNUAL FIGURES FOR HOLDINGS OF CIVIL UNIRRADIATED PLUTONIUM**

<u>National total in tonnes</u>	<b>As of 31 December 2003</b> (previous year's figures in brackets) rounded to 100 kg plutonium with quantities less than 50 kg reported as such.	
1. Unirradiated separated plutonium in product stores at reprocessing plants.	<b>48.6</b>	(48.7)
2. Unirradiated separated plutonium in the course of fabrication and plutonium contained in unirradiated semi-fabricated or unfinished products at fuel or other fabricating plants or elsewhere.	<b>13.3</b>	(15.0)
3. Plutonium contained in unirradiated MOX fuel or other fabricated products at reactor sites or elsewhere.	<b>13.2</b>	(12.7)
4. Unirradiated separated plutonium held elsewhere.	<b>3.5</b>	(3.5)
(I) Definition:		
- Line 4: covers estimated amounts of plutonium in process at reprocessing plants and estimated amounts of separated plutonium held at research centres (CEA or universities).		
(i) Plutonium included in lines 1-4 above belonging to foreign bodies.	<b>30.5</b>	(32)
(ii) Plutonium in any of the forms in lines 1-4 above held in locations in other countries and therefore not included above.	<b>&lt;50 kg</b>	(<50 kg)
(iii) Plutonium included in lines 1-4 above which is in international shipment prior to its arrival in the recipient State.	<b>0</b>	(0)

**ANNEX C:  
ESTIMATED AMOUNTS OF PLUTONIUM CONTAINED IN SPENT CIVIL REACTOR  
FUEL**

**National total in tonnes**

**As of 31 December 2003**

(previous year's figures in brackets)  
rounded to 100 kg plutonium with quantities  
less than 500 kg reported as such.

1. Plutonium contained in spent fuel at civil reactor sites.	<b>94.1</b>	(91.6)
2. Plutonium contained in spent fuel at reprocessing plants.	<b>96.5</b>	(89.8)
3. Plutonium contained in spent fuel held elsewhere.	<b>0.5</b>	(0.5)

(I) 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;
- Line 3: covers estimated amounts of plutonium located in research centres.

## ANNUAL FIGURES FOR HOLDINGS OF CIVIL HIGHLY ENRICHED URANIUM

<u>National total</u>	<b>As of 31 December 2003</b> (previous year's figures in brackets) rounded to the closest kg.	
1. High-enriched uranium stored at enrichment plants.		0
2. High-enriched uranium in the course of fabrication at enrichment plants.		0
3. High-enriched uranium at fuel fabrication plants or other processing facilities.	<b>1351</b>	(1411)
4. High-enriched uranium at civil reactor sites.	<b>3076</b>	(3099)
5. High-enriched uranium held at locations other than civil reactor sites and at enrichment, fuel fabrication or processing plants (e.g. laboratories, research centres).	<b>460</b>	(460)
6. Irradiated highly enriched uranium at civil reactor sites.	<b>118</b>	(146)
7. Irradiated highly enriched uranium held at locations other than civil reactor sites.	<b>1377</b>	(1241)