

Information Circular

INFCIRC/549/Add.6/12

Date: 23 March 2010

General Distribution

Original: English

Communication Received from the United States of America Concerning Its Policies Regarding the Management of Plutonium

1. The Secretariat has received a letter dated 24 February 2010 from the Permanent Mission of the United States of America to the IAEA in the enclosures of which the Government of the United States of America, in keeping with its commitment under the Guidelines for the Management of Plutonium (contained in INFCIRC/549¹ 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 2008.

2. In light of the request expressed by the Government of the United States of America 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 letter of 24 February 2010 are attached for the information of all Member States.

¹ A modification to this document was issued on 17 August 2009 (INFCIRC/549/Mod.1)

**ANNUAL FIGURES FOR HOLDINGS OF
CIVIL UNIRRADIATED PLUTONIUM**

(ANNEX B, INTERNATIONAL PLUTONIUM MANAGEMENT GUIDELINES)

<u>National Totals</u>	As of 31 December 2008	
brackets]	[Previous year's figures in	
plutonium	Rounded to 100 kg	
as such	Quantities <50 kg reported	
1. Unirradiated separated plutonium in product stores at reprocessing plants.	0	[0]
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. MT]	<0.05 MT	[<0.05
3. Plutonium contained in unirradiated MOX fuel or other fabricated products at reactor sites or elsewhere. MT]	4.6 MT	[4.6
4. Unirradiated separated plutonium held elsewhere. MT]	49.3 MT	[49.3
(i) Plutonium in lines 1-4 belonging to foreign bodies.	0	[0]
(ii) Plutonium in lines 1-4 held in locations in other countries and therefore not included above.	0	[0]
(iii) Plutonium in lines 1-4 which is in international shipment prior to its arrival in the recipient State.	0	[0]

Note:

Lines 3 and 4 together list 53.9 metric tons of separated plutonium that has been declared as excess to national security needs. This, in addition to 7.6 metric tons of the plutonium included on lines 1 and 3 of Annex C, constitute the total of 61.5 metric tons of government owned plutonium that the United States has declared as excess to national security needs.

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

(Annex C, International Plutonium Management Guidelines)

<u>National Totals</u>	As of 31 December 2008	
brackets]	[Previous year's figures in	
plutonium	Rounded to 1000 kg	
as such	Quantities <500 kg reported	
1. Plutonium contained in spent fuel at civil reactor sites. MT]	501 MT	[480
2. Plutonium contained in spent fuel at reprocessing plants.	0	[0]
3. Plutonium contained in spent fuel held elsewhere. MT]	12 MT	[12

Notes:

Line 1 includes 0.1 metric tons of formerly government owned plutonium that was transferred to civil reactors and subsequently irradiated. Line 3 includes 7.5 metric tons of government owned plutonium estimated to be remaining in spent fuel that has been declared as excess to national security needs. These, in addition to 53.9 metric tons of separated plutonium reported in lines 3 and 4 in Annex B, constitute the total of 61.5 metric tons of government owned plutonium that the United States has declared as excess to national security needs.