

Communication Received from Germany 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 14 October 2010 from the Permanent Mission of the Federal Republic of Germany to the IAEA in enclosures of which the Government of Germany, 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 2009.
2. The Government of the Federal Republic of Germany has also made available a statement of its annual figures for holdings of civil high enriched uranium (HEU) as of 31 December 2009.
3. In light of the request expressed by the Government of the Federal Republic of Germany in its note verbale of 1 December 1997 concerning its policies regarding the management of plutonium (INFCIRC/549 of 16 March 1998), the note verbale of 14 October 2010 and the enclosures thereto 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)



Permanent Mission of the Federal Republic of Germany
to the Office of the United Nations and
to other International Organizations, Vienna

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Verbal Note

The Permanent Mission of the Federal Republic of Germany to the Office of the United Nations and to other International Organizations, Vienna, presents its compliments to the Director General of the International Atomic Energy Agency and has the honour to communicate the enclosed data on the Plutonium inventory on German territory as of December 31st, 2009.

The data on the Plutonium inventory on German territory is based upon safeguards data of EURATOM / IAEA. As there is no reprocessing facility in Germany, the questions 1 of Annex B and 2 of Annex C are not applicable. Regarding any material that has been shipped abroad, especially for reprocessing, the German Government points out that no data on such material is available on the German side. This should be taken into consideration whenever this data is being used for statistical purposes.

In addition, the inventory of highly enriched Uranium (HEU) is included on a voluntary basis. HEU is being used in some research reactors. The HEU in storage consists mainly of spent fuel from the pebble-bed high temperature reactor in storage casks. Smaller amounts in bulk form are handled in various research facilities. As there is no activity in Germany on high enrichment of Uranium, there is no significant HEU inventory in facilities/locations engaged in enrichment activities.

As foreseen in the EURATOM Treaty, all nuclear materials within the states of the EU are property of the European Union, represented by the EURATOM Supply Agency.

To the
Director General of the
International Atomic Energy Agency
Vienna

The Permanent Mission of the Federal Republic of Germany to the Office of the United Nations and to other International Organizations in Vienna avails itself of this opportunity to renew to the Director General of the International Atomic Energy Agency the assurances of its highest consideration.

Vienna, 14 October 2010



Germany

ANNUAL FIGURES FOR HOLDINGS OF CIVIL UNIRRADIATED PLUTONIUM

<u>Totals (in metric tons)</u>		as of 31 Dec 2009 (Previous year's figures in brackets)	
1.	Unirradiated separated plutonium in Product stores at reprocessing plants.	n.a.	(n.a.)
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.	0,0	(0,0)
3.	Plutonium contained in unirradiated MOX fuel or other fabricated products at reactor sites or elsewhere.	5,4	(5,6 *)
4.	Unirradiated separated plutonium held elsewhere.	0,0	(0,0)
Note:	(i) Plutonium included in lines 1-4 above belonging to foreign bodies.	*	
	(ii) Plutonium in any of the forms in lines 1-4 above held in locations in other countries and therefore not included above.	*	
	(iii) Plutonium included in lines 1-4 above which is in international shipment prior to its arrival in the recipient State.		(0,0)

** Data on material outside Germany or on „foreign“ material in Germany are not available. All material is property of the EU and subject to safeguards accountancy by IAEA and EURATOM.

GermanyESTIMATED AMOUNTS OF PLUTONIUM CONTAINED IN SPENT CIVIL
REACTOR FUEL

<u>Totals (in metric tons)</u>		as of 31 Dec 2009	
		(Previous year's figures in brackets)	
1.	Plutonium contained in spent fuel at civil reactor sites.	86,9	(83,6)
2.	Plutonium contained in spent fuel at reprocessing plants.	n.a.	n.a.
3.	Plutonium contained in spent fuel held elsewhere.	5,9	(5,9)

Note:

- i) The treatment of material sent for direct disposal will need further consideration when specific plans for direct disposal have 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.
- iii) Plutonium contained in spent fuel sent for reprocessing and held in locations in other countries. **
 (This plutonium may be in the form of line 2 above or in any of the forms of lines 1-3 of Annex B.)

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Germany

ESTIMATED AMOUNTS OF HIGHLY ENRICHED URANIUM

<u>Totals (in metric tons)</u>		as of 31 Dec 2009	
		(Previous year's figures in brackets)	
1.	HEU contained in Research Reactors.	0,19	(0,16)
2.	HEU (irradiated) contained in storages	0,73	(0,73)
3.	HEU elsewhere	0,03	(0,03)

There is no HEU fabrication facility in Germany.

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