

# Information Circular

**INFCIRC/549/Add.2/25**

Date: 12 August 2022

**General Distribution**

Original: English

## 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 Secretariat has received a note verbale dated 1 August 2022 from the Permanent Mission of the Federal Republic of Germany to the IAEA in the enclosures of which the Government of Germany, in keeping with its commitment under the Guidelines for the Management of Plutonium (contained in INFCIRC/549<sup>1</sup> 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 2021.
2. The Government of the Federal Republic of Germany has also made available a statement of the estimated amounts of highly enriched uranium (HEU) as of 31 December 2021.
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) and its note verbale of 1 August 2022, the note verbale and the enclosures herewith are attached for the information of all Member States.

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<sup>1</sup> 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

Ref. No.: Wi-S1-467.54  
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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 in Vienna presents its compliments to the International Atomic Energy Agency and has the honour to submit enclosed the following documents in accordance with the Guidelines for the Management of Plutonium:

- annual figures for holdings of civil unirradiated plutonium in Germany, in the format set out in Annex B of the said Guidelines,
- estimated amounts of plutonium contained in spent civil reactor fuel in Germany, in the format set out in Annex C of the said Guidelines,
- estimated amounts of highly enriched uranium in Germany, in the format set out in Annex D of the said Guidelines,

as of 31 December 2021.

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 International Atomic Energy Agency the assurances of its highest consideration.

Vienna, 01 August 2022



To the  
International Atomic Energy Agency  
VIC  
Wagramer Straße 5  
1400 Vienna

**Germany**

## ANNUAL FIGURES FOR HOLDINGS OF CIVIL UNIRRADIATED PLUTONIUM

<u>Totals (in metric tons)</u>		<b>as of 31 Dec 2021</b> (Previous year's figures in brackets)	
1.	Unirradiated separated plutonium in product stores at reprocessing plants.	<b>0.0</b>	(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.	<b>0.0</b>	(0.0)
3.	Plutonium contained in unirradiated MOX fuel, <u>including that loaded into a reactor core prior to use, or other unirradiated plutonium in fabricated products at reactor sites or elsewhere.</u>	<b>0.0</b>	(0.0)
4.	Unirradiated separated plutonium held elsewhere.	<b>0.0</b>	(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	(0.0)

\* According to the EURATOM Treaty, all nuclear material is property of the EU and subject to safeguards accountancy by EURATOM and the IAEA. Therefore, data on “German” material outside Germany or on „foreign“ material in Germany is not available.

ANNEX C

**Germany**

ESTIMATED AMOUNTS OF PLUTONIUM CONTAINED IN  
SPENT CIVIL REACTOR FUEL

<u>Totals (in metric tons)</u>		<b>as of 31 Dec 2021</b> (Previous year's figures in brackets)	
1	Plutonium contained in spent fuel at civil reactor sites.	<b>122.1</b>	(120.3)
2	Plutonium contained in spent fuel at reprocessing plants.	<b>0.0</b>	(0.0)
3	Plutonium contained in spent fuel held elsewhere.	<b>7.2</b>	(6.0)

Note:

- i) The treatment of material sent for direct disposal will need further consideration when specific plants 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.

According to the EURATOM Treaty, all nuclear material is property of the EU and subject to safeguards accountancy by EURATOM and the IAEA. Therefore, data on “German” material outside Germany or on „foreign“ material in Germany is not available.

**Germany**

ESTIMATED AMOUNTS OF HIGHLY ENRICHED URANIUM

<u>Totals (in metric tons)</u>		<b>as of 31 Dec 2021</b> (Previous year's figures in brackets)	
1	HEU contained in research reactors.	<b>0.35</b>	(0.35)
2	HEU (irradiated) contained in storages.	<b>0.94</b>	(0.94)
3	HEU elsewhere.	<b>0.01</b>	(0.01)

There is no HEU fabrication facility in Germany.

According to the EURATOM Treaty, all nuclear material is property of the EU and subject to safeguards accountancy by EURATOM and the IAEA. Therefore, data on "German" material outside Germany or on „foreign“ material in Germany is not available.