



Country Report Germany

T. Stahl, ISOE Management Board Meeting, Vienna, 10.12.2025

Nuclear landscape

In April 2023, the last three nuclear power plants in Germany were finally shut down

All are now in decommissioning phase;
Brokdorf (KBR) was the last one to receive the licence in October 2024



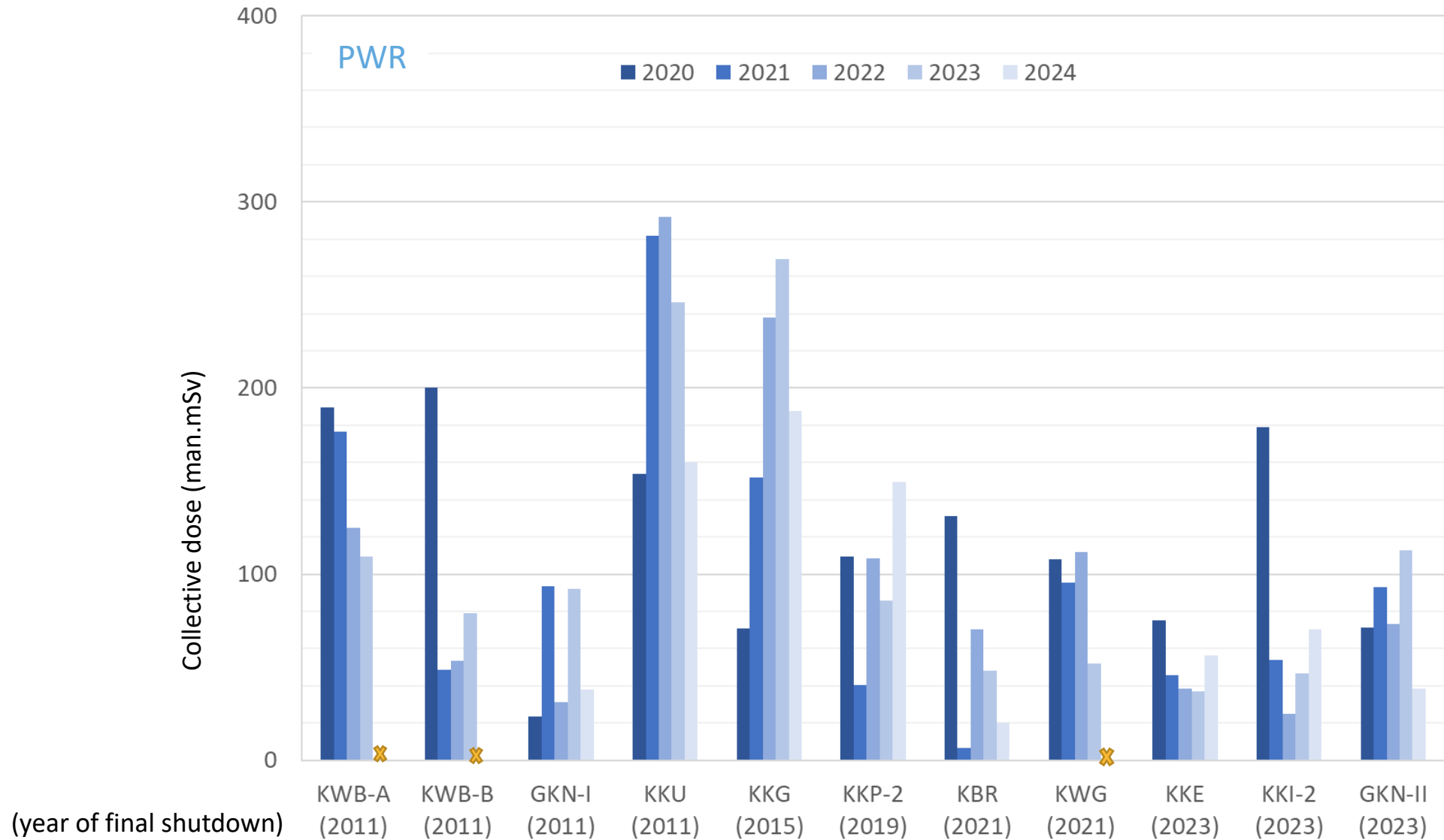
NPP finally shut down since 2011

Name	Type	Final shutdown	Application for decom.	First decom. license
Biblis A (KWB-A)	PWR	06.08.2011	06.08.2012	30.03.2017
Biblis B (KWB-B)	PWR	06.08.2011	06.08.2012	30.03.2017
Brunsbüttel (KKB)	BWR	06.08.2011	01.11.2012	31.12.2018
Isar 1 (KKI-1)	BWR	06.08.2011	04.05.2012	17.01.2017
Krümmel (KKK)	BWR	06.08.2011	24.08.2015	20.06.2024
Neckarwestheim 1 (GKN-I)	PWR	06.08.2011	24.04.2013	03.02.2017
Philippsburg 1 (KKP-1)	BWR	06.08.2011	24.04.2013	07.04.2017
Unterweser (KKU)	PWR	06.08.2011	04.05.2012	05.02.2018

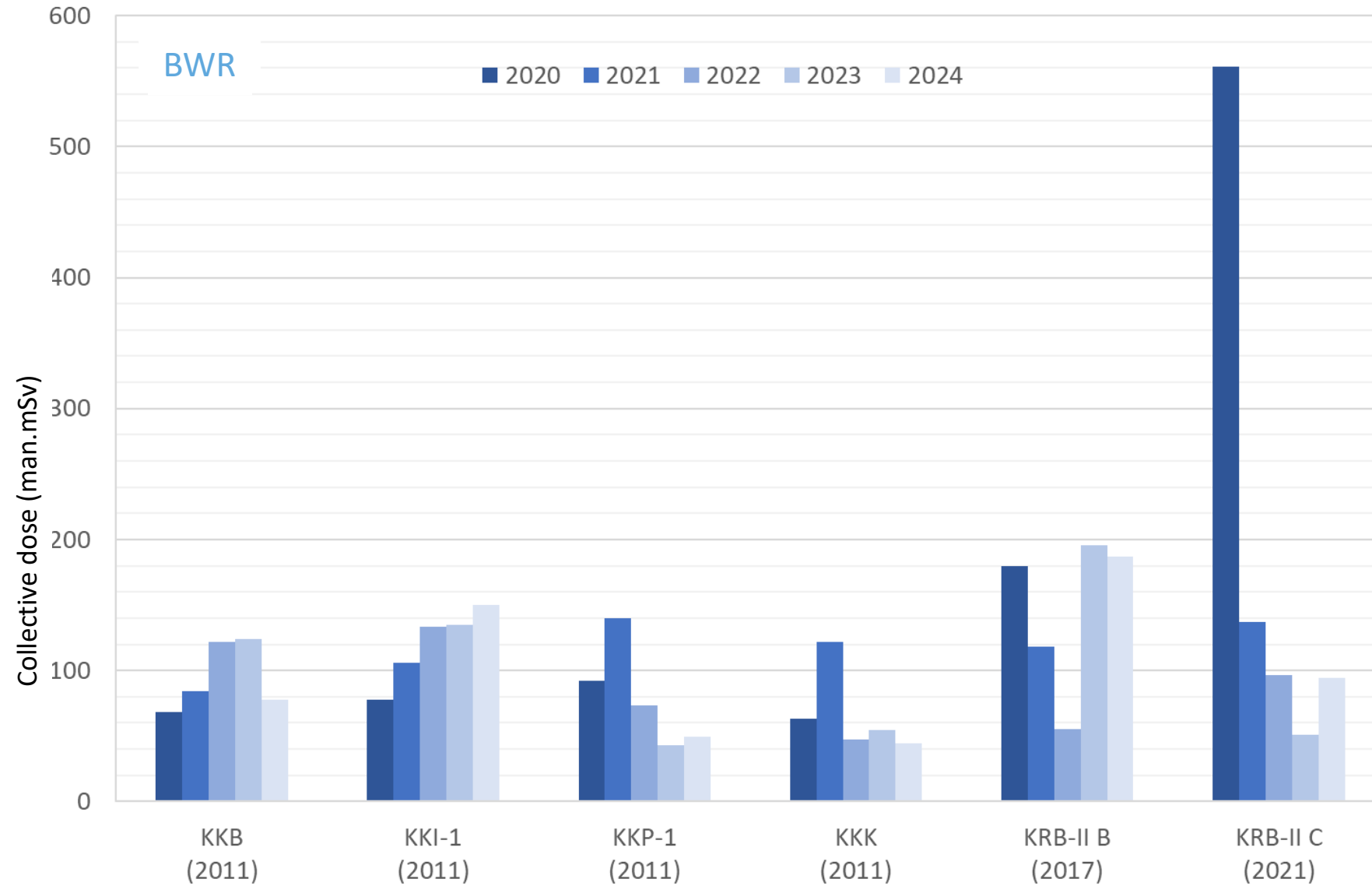
NPP finally shut down since 2011

Name	Type	Final shutdown	Application for decom.	First decom. license
Grafenrheinfeld (KKG)	PWR	27.06.2015	28.03.2014	11.04.2018
Gundremmingen B (KRB-II,B)	BWR	31.12.2017	11.12.2014	19.03.2019
Philippsburg 2 (KKP-2)	PWR	31.12.2019	18.07.2016	17.12.2019
Brokdorf (KBR)	PWR	31.12.2021	01.12.2017	23.10.2024
Grohnde (KWG)	PWR	31.12.2021	26.10.2017	06.12.2023
Gundremmingen C (KRB II C)	BWR	31.12.2021	31.07.2019	26.05.2021
Emsland (KKE)	PWR	15.04.2023	22.12.2016	26.09.2024
Isar 2 (KKI-2)	PWR	15.04.2023	01.07.2019	21.03.2024
Neckarwestheim II (GKN-II)	PWR	15.04.2023	18.07.2016	04.04.2023

National dosimetric trends



National dosimetric trends



Reportable events 2024

- Any radiologically and safety-relevant events must be reported to the competent licensing and supervisory authorities
- Provisions specified in the Nuclear Safety Officer and Reporting Ordinance (AtSMV).
- All events are published



Source: [Störfallmeldestelle des BASE](#)

Reporting criteria

- Reporting criteria concerning radiation protection include:
 - Discharge or releases above limits
 - Contamination within supervised or controlled areas
 - Spread of radioactive substances
 - Exposure of personal above limits



Source: [Störfallmeldestelle des BASE](#)

Reportable events 2024

- Number of events
 - NPP in final shutdown: 9 (2023: 15 (incl. operation))
 - NPP in decommissioning: 20 (2023: 22)
 - All category N (lowest), INES 0
- No event with relevant radiological impact

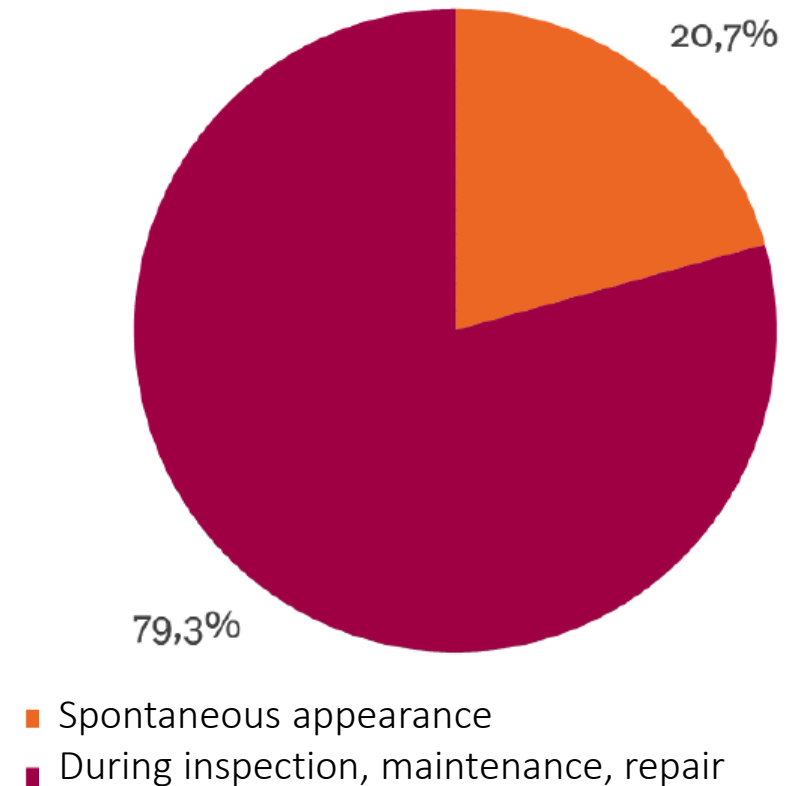


Source: [Störfallmeldestelle des BASE](#)

Reportable events 2024

Type of determination	Number 2024 (2023)	Percentage 2024 (2023)
Spontaneous appearance	6 (13)	21 (35)
During inspection, maintenance, repair	23 (24)	79 (65)
Total	29 (37)	

- The long-term average distribution is 25% to 75%



Quelle: BASE

Reportable events 2024

System	Number	Percentage
Reactor auxiliary and ancillary systems - ventilation system & activity measurement- - other auxiliary and ancillary systems	5 (1) (4)	17,2 %
Emergency power system (all: emergency diesel power)	6	20,7 %
Cooling water system including auxiliary cooling water system	1	3,4 %
Energy dissipation, internal power supply	1	3,4 %
Other, including fire extinguishing systems, fire protection equipment	14	48,3 %
Fuel element handling	2	6,9 %

Source: BASE

- Distribution across systems corresponds to the long-term average.
- The number of systems involved has tended to decline in recent years (decommissioning/shutdowns/dismantling reduce the overall likelihood of reportable events occurring).

Thank you for your attention