

Table 12 · Overview of Reactor Decommissioning Worldwide (as of 1 July 2024)

Country	Closed Reactor	Decommissioning Status					
		Warm-up ^(a) (of which defueled)	Hot Zone	Ease-off	LTE	Completed (of which released as greenfield sites ^(b))	Completed Share of Total Closed (share of total closed released as greenfield sites ^(b))
U.S. ^(c)	41	4 (4)	6	4	10	17 (5)	41% (12%)
U.K.	36	21 (14)	9	0	6	0	0%
Germany	36	11 (5)	11	9	1	4 (3)	11% (8%)
Japan	27	26 (5)	0	0	0	1 (1)	4% (4%)
France	14	3 (0)	3	0	8	0	0%
Russia	11	4 (3)	0	0	7	0	0%
Sweden	7	2 (0)	5	0	0	0	0%
Canada	6	1 (1)	0	0	5	0	0%
Bulgaria	4	4	0	0	0	0	0%
Italy	4	2 (1)	2	0	0	0	0%
Taiwan	4	4	0	0	0	0	0%
Ukraine	4	0	0	0	4	0	0%
Slovakia	3	1 (1)	0	2	0	0	0%
Belgium	3	2	0	1	0	0	0%
Spain	3	1	0	0	1	1	33%
Lithuania	2	2 (2)	0	0	0	0	0%
South Korea	2	2	0	0	0	0	0%
Armenia	1	0	0	0	1	0	0%
India	1	1 (1)	0	0	0	0	0%
Kazakhstan	1	0	0	0	1	0	0%
Netherlands	1	0	0	0	1	0	0%
Pakistan	1	1 (0)	0	0	0	0	0%
Switzerland	1	1 (1)	0	0	0	0	0%
Total	213	93 (38)	36	16	45	23 (9)	10% (4%)

Sources: Various, compiled by WNISR, 2024

Notes:

(a) Reactors classified as being in the “post-operational” stage in WNISR2023 have been added to the warm-up stage.

(b) As of WNISR2024, the “Released” category only contains “greenfield released” reactors, whereas it also contained “brownfield released” reactors in previous editions (see [definitions](#) in the introduction of the chapter).

(c) The Palisades reactor in the U.S. is currently being considered for restart. As parts of the site have already been dismantled, WNISR considers the reactor in the warm-up stage until the restart is officially confirmed.