

General Distribution



November, 2023

ISOE INFORMATION SHEET

JAPANESE DOSIMETRIC RESULTS: FY 2022 DATA AND TRENDS

ISOE Asian Technical Center – NSRA Information Sheet No. 51

This ISOE information sheet presents the occupational exposure data for Fiscal Year (FY) 2022 and trends of commercial reactors in Japan from FY 1997 to FY 2022, which include PWRs and BWRs.

**Table 1. Total collective dose
in FY 2021 and FY 2022**

Reactor Type	Total Collective Dose (man.Sv)	
	FY 2021	FY 2022
PWRs	3.82	5.40
BWRs	26.63	25.71
Total (LWRs)	30.45	31.11

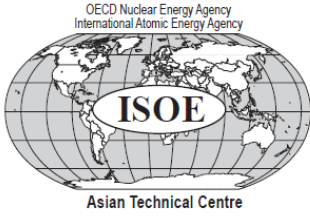
**Table 2. Average collective dose per reactor
in FY 2021 and FY 2022**

Reactor Type	Average Collective Dose (man.Sv)	
	FY 2021	FY 2022
PWRs	0.16	0.16
BWRs	0.83	0.83
Total (LWRs)	0.54	0.54

Tables 1 and 2 show the total collective dose and the average collective dose per reactor for PWRs and BWRs (of LWR type) in FY 2021 and FY 2022. Some NPPs located in the east area of Japan were damaged by the huge earthquake and tsunami on March 11, 2011. Large dose for BWRs in FY 2011 was due to the accident of Fukushima Daiichi NPPs. Only 10 PWRs operated in FY 2022.

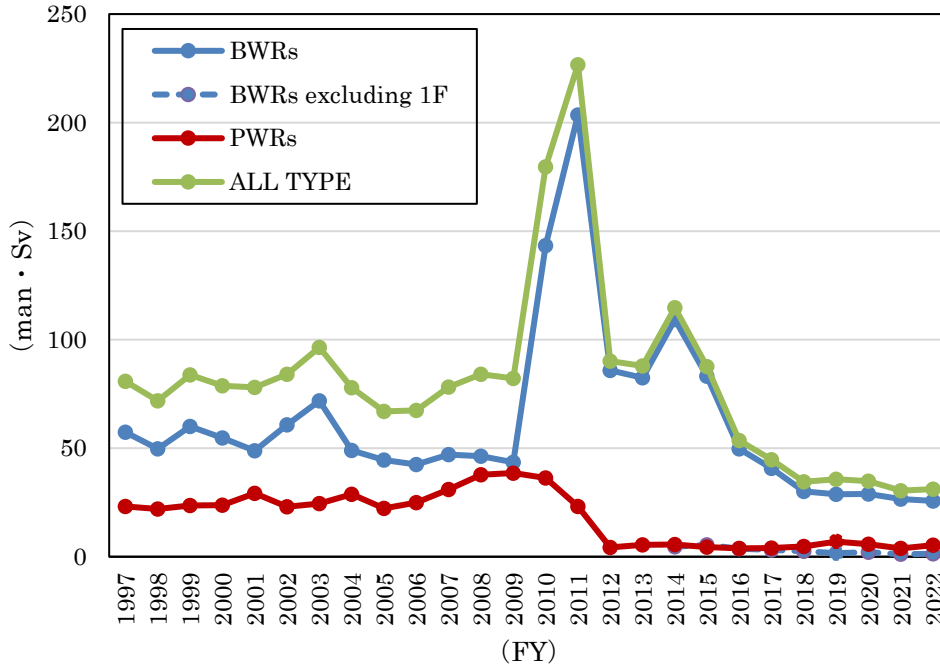
Figures 1 and 2 show the trends of the total collective dose and the average collective dose per reactor from FY 1997 to FY 2022 in Japan. Please note that these figures include 23 reactors which are in permanent shut down (15 BWRs, 8 PWRs are already permanently shut down). Exposure data in figures 1 and 2 are based on the data which has been compiled by Japanese utilities and reported to Nuclear Regulation Authority or NRA.

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Figure 1: TOTAL COLLECTIVE DOSE (man.Sv)



* GCR is included until FY1998.

** This figure includes 23 reactors which are permanently shut down.

Figure 2: AVERAGE COLLECTIVE DOSE PER REACTOR (man.Sv)

* GCR is included until FY1998.

** This figure includes 23 reactors which are permanently shut down.

