



November, 2021

ISOE INFORMATION SHEET

JAPANESE DOSIMETRIC RESULTS: FY 2020 DATA AND TRENDS

ISOE Asian Technical Center – NSRA Information Sheet No. 49

This ISOE information sheet presents the occupational exposure data for Fiscal Year (FY) 2020 and trends of commercial reactors in Japan from FY 1997 to FY 2020, which include PWRs, BWRs and a GCR*.

* GCR; Tokai NPP (ceased commercial operation in March 31, 1998)

Table 1. Total collective dose in FY 2019 and FY 2020

Reactor Type	Total Collective Dose (man.Sv)	
	FY 2019	FY 2020
PWRs	6.97	5.81
BWRs	28.78	28.93
Total (LWRs)	35.75	34.75

Table 2. Average collective dose per reactor in FY 2019 and FY 2020

Reactor Type	Average Collective Dose (man.Sv)	
	FY 2019	FY 2020
PWRs	0.29	0.24
BWRs	0.89	0.90
Total (LWRs)	0.63	0.62

Tables 1 and 2 show the total collective dose and the average collective dose per reactor for PWRs, BWRs and LWRs in FY 2019 and FY 2020.

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 6 PWRs operated in FY 2020.

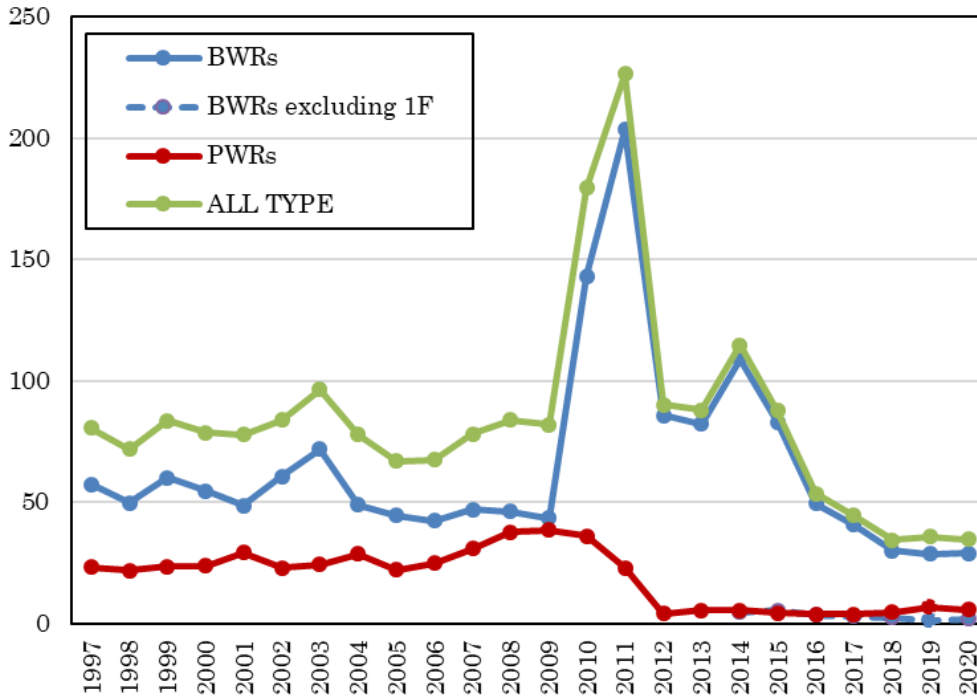
Figures 1 and 2 show the trends of the total collective dose and the average collective dose per reactor from FY 1997 to FY 2020 in Japan. Please note that these figures include 24 reactors which are in permanent shut down (15 BWRs, 8 PWRs, and 1 LWCHWR are already permanently shut down).

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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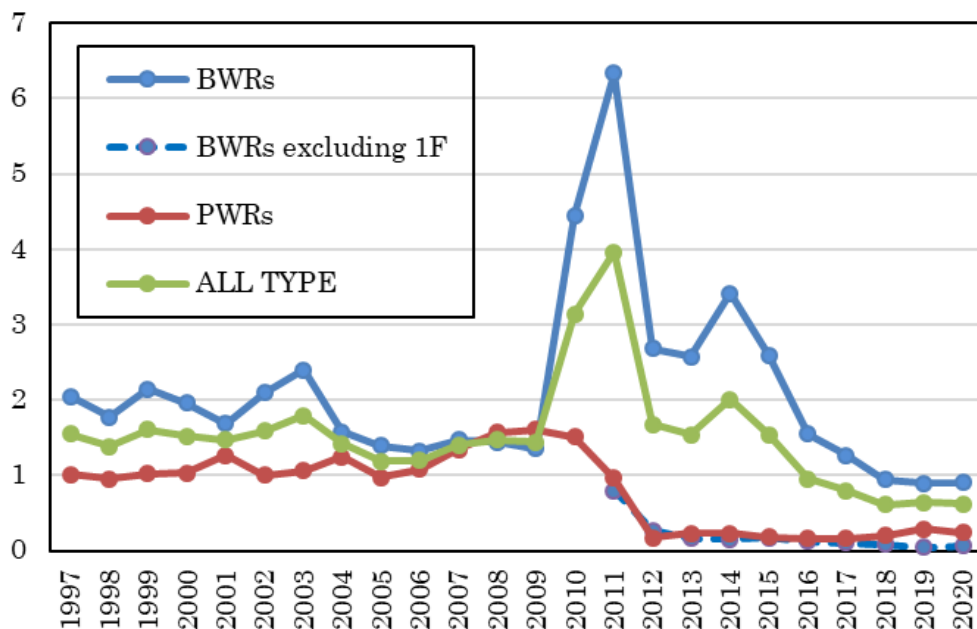
Figure 1: TOTAL COLLECTIVE DOSE (man.Sv)



* GCR is included until FY1998.

** This figure includes 24 reactors which are permanently shut down.

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



* GCR is included until FY1998.

** This figure includes 24 reactors which are permanently shut down.