



ISOE INFORMATION SHEET

JAPANESE DOSIMETRIC RESULTS: Fiscal Year 2011 DATA AND TRENDS

ISOE Asian Technical Center - Information Sheet No. 36 (2012)

This ISOE information sheet presents the Japanese occupational exposure results in Fiscal Year (FY) 2011 and trends from FY 1992 to FY 2011 for commercial reactors in operation which include PWRs, BWRs* and a GCR ** . The collective dose and the number of radiation workers for FY 2010 exclude 6 BWRs of the Fukushima Dai-ichi, and for FY 2011 exclude 10 BWRs of Fukushima Dai-ichi and Fukushima Dai-ni, damaged by the huge earthquake and tsunami on March 11, 2011. These exposure data have been under estimation by the utility.

Tables 1 and 2 give the total collective doses and the average collective dose per reactor for PWRs, BWRs and LWRs, respectively, ended in FY 2010 and FY 2011.

The average collective dose for PWRs and BWRs for FY 2011 had decreased from the previous year due to reduces works with high dose rate in the periodical inspection and the number of the periodical inspections.

Figures 1 to 5 show the trends from FY 1992 of the total collective dose, the number of

reactor and the average collective dose per reactor etc. in Japan.

These figures also exclude the exposure data for Fukushima Dai-ichi in FY 2010, Fukushima Dai-ichi and Fukushima Dai-ni in FY 2011, in addition, include 2 BWRs which have been decommissioning since Nov.18, 2009.

Table 1. Total collective dose in FY 2010 and FY 2011

Reactor Type	Total Collective Dose (man.Sv)	
	FY 2010	FY 2011
PWRs	36.24	23.12
BWRs	29.64	23.17
Total	65.88	46.29

Table 2. Average collective dose per reactor in FY 2010 and FY 2011

Reactor Type	Average Collective Dose (man.Sv)	
	FY 2010	FY 2011
PWRs	1.51	0.96
BWRs	1.14	1.05
Total	1.32	1.01

*BWRs include 2 BWRs which have been decommissioning since Nov.18, 2009.

**GCR has been decommissioning since March 31, 1998.

Figure 1

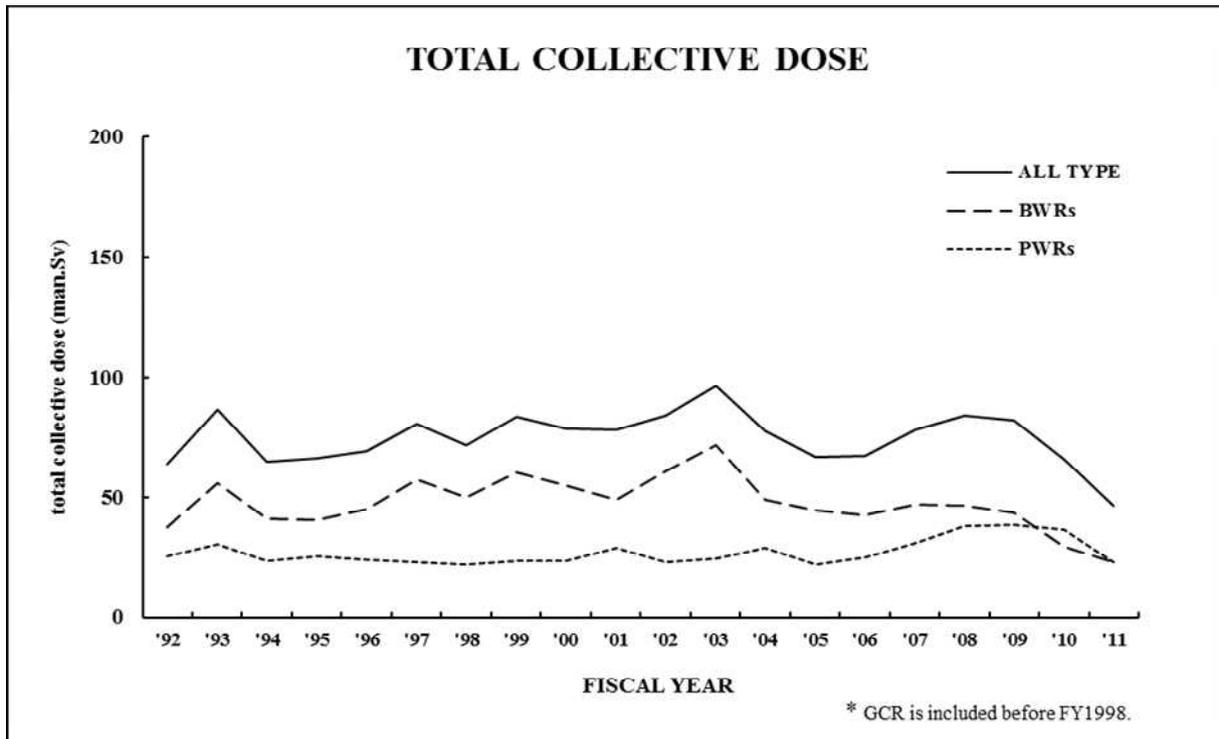


Figure 2

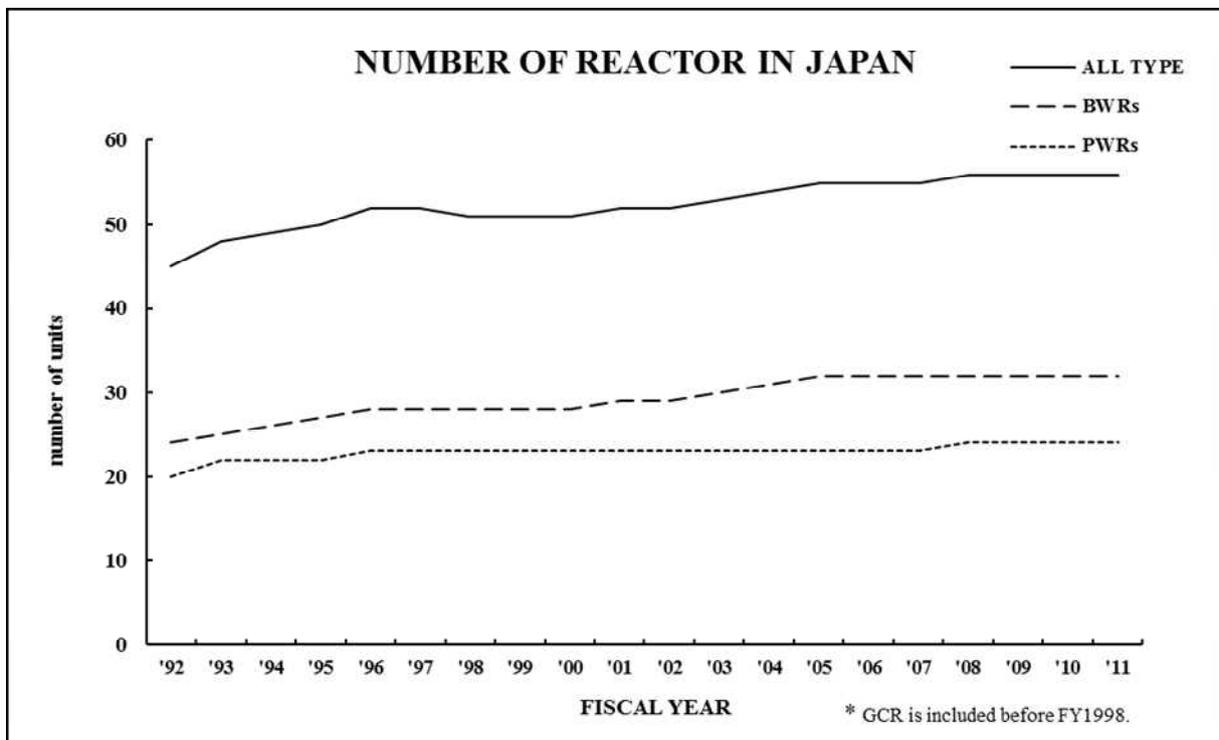


Figure 3

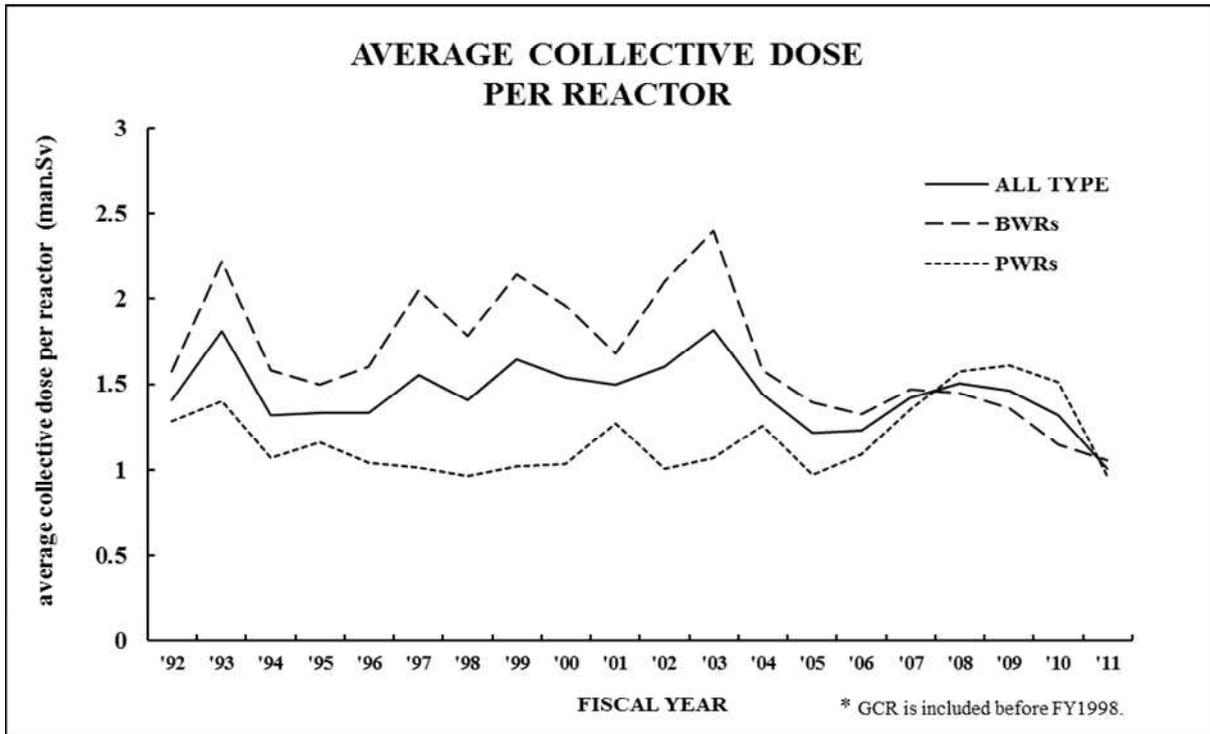


Figure 4

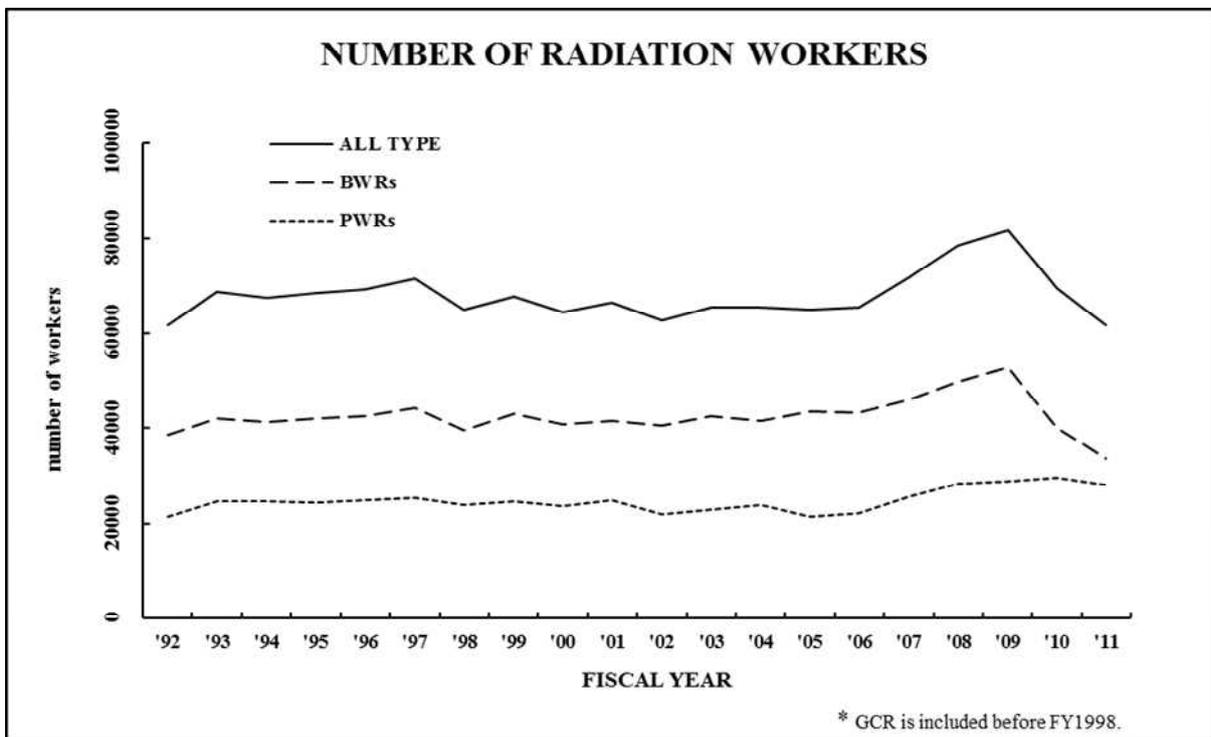


Figure 5

