



October, 2014

ISOE INFORMATION SHEET

JAPANESE DOSIMETRIC RESULTS: FY 2013 DATA AND TRENDS

ISOE Asian Technical Center – NSRA Information Sheet No. 39

This ISOE information sheet presents the Japanese occupational exposure results in Fiscal Year (FY) 2013 and trends from FY 1993 to FY 2013 for commercial reactors which include PWRs, BWRs and a GCR. *

Tables 1 and 2 give the total collective doses and the average collective doses per reactor for PWRs, BWRs and LWRs, respectively, ended in FY 2012 and FY 2013.

Some Japanese NPPs located in the east area were damaged by the huge earthquake and tsunami in March 11, 2011. Large dose for BWRs is due to the accident of Fukushima Dai-ichi NPS. Only three and two PWRs operated in FY 2012 and FY 2013, respectively.

Figures 1 to 5 show the trends from FY 1993 of the total collective dose and the average individual dose etc. in Japan.

Please note that these figures includes the decommissioning stage reactors, 2 BWRs have been decommissioned since November 18, 2009, 4 and 2 BWRs were also shutdown permanently in April 19, 2012 and January 31, 2014, respectively. In addition, the exposure data of figures 1 to 5 is based on the official announcement of Japan.

Table 1. Total collective dose in FY 2012 and FY 2013

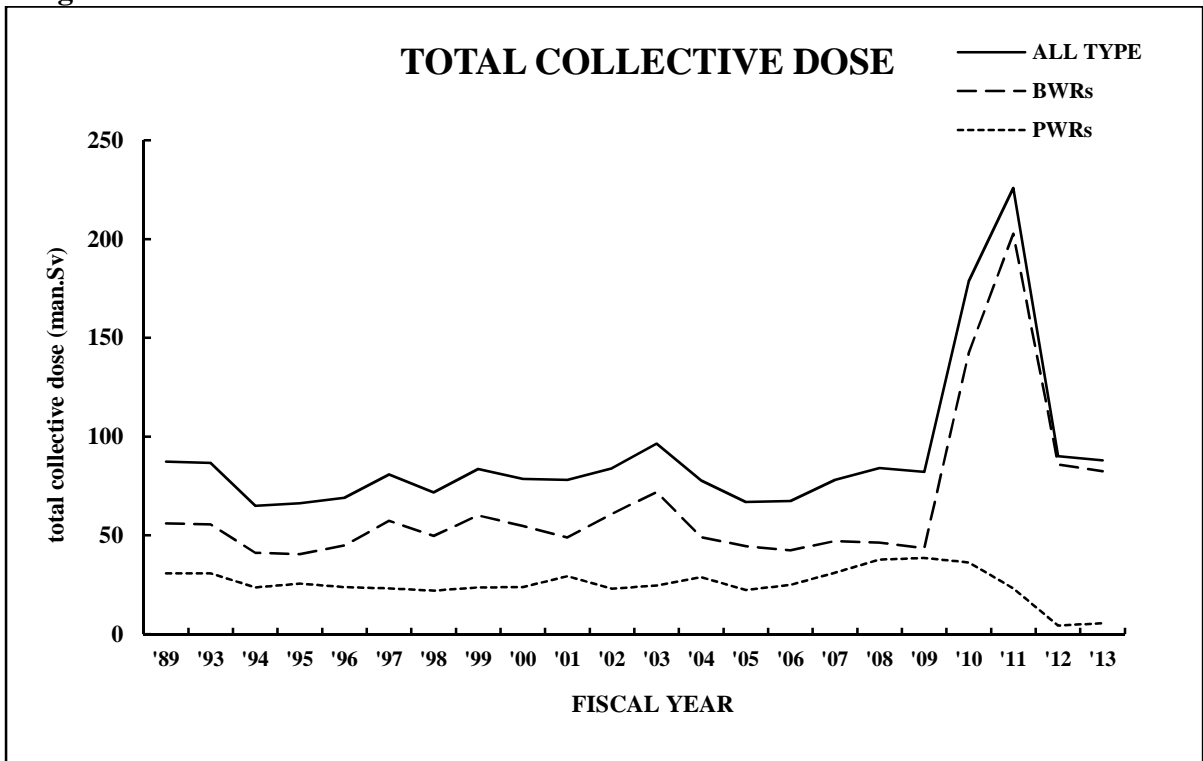
Reactor Type	Total Collective Dose (man.Sv)	
	FY 2012	FY 2013
PWRs	4.24	5.50
BWRs	85.85	82.44
Total(LWR)	90.09	87.94

Table 2. Average collective dose per reactor in FY 2012 and FY 2013

Reactor Type	Average Collective Dose (man.Sv)	
	FY 2012	FY 2013
PWRs	0.18	0.23
BWRs	2.68	2.58
Total(LWR)	1.61	1.57

* GCR; The Tokai NPS, the sole GCR in Japan ceased commercial operation in March 31, 1998.

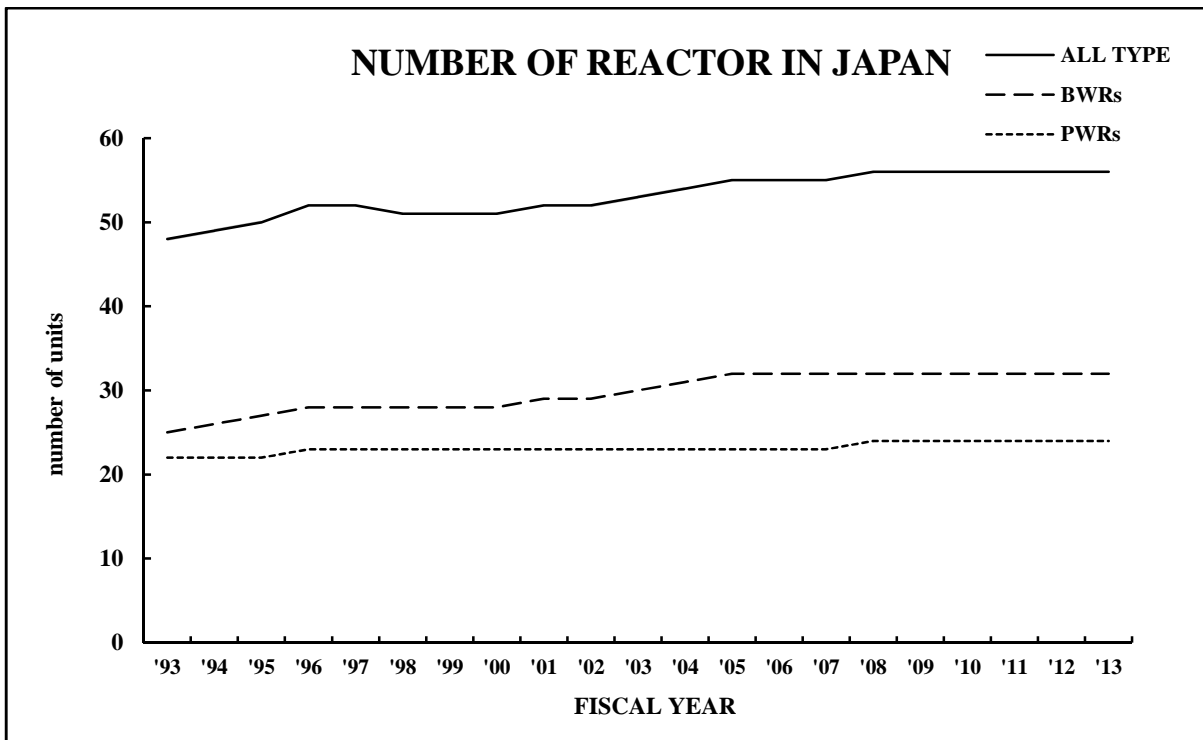
Figure 1



* GCR is included before FY1998.

**BWRs includes 8 reactors which are in permanent shutdown.

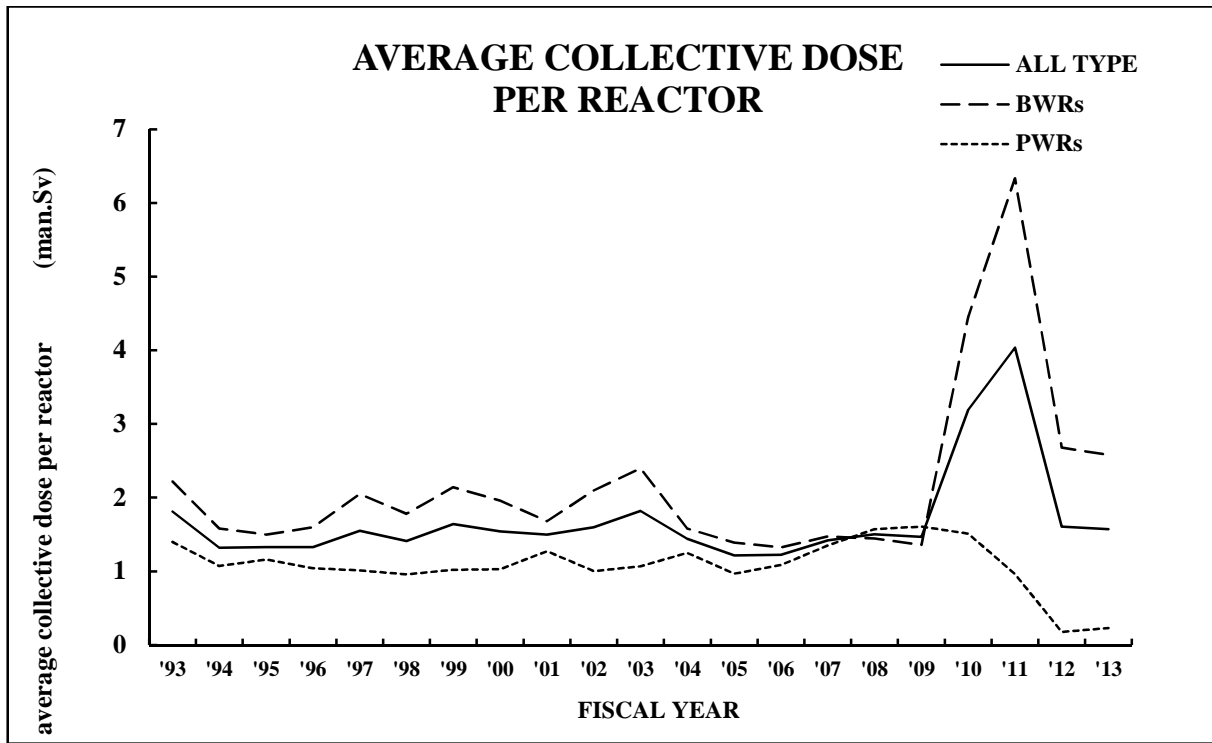
Figure 2



* GCR is included before FY1998.

**BWRs includes 8 reactors which are in permanent shutdown.

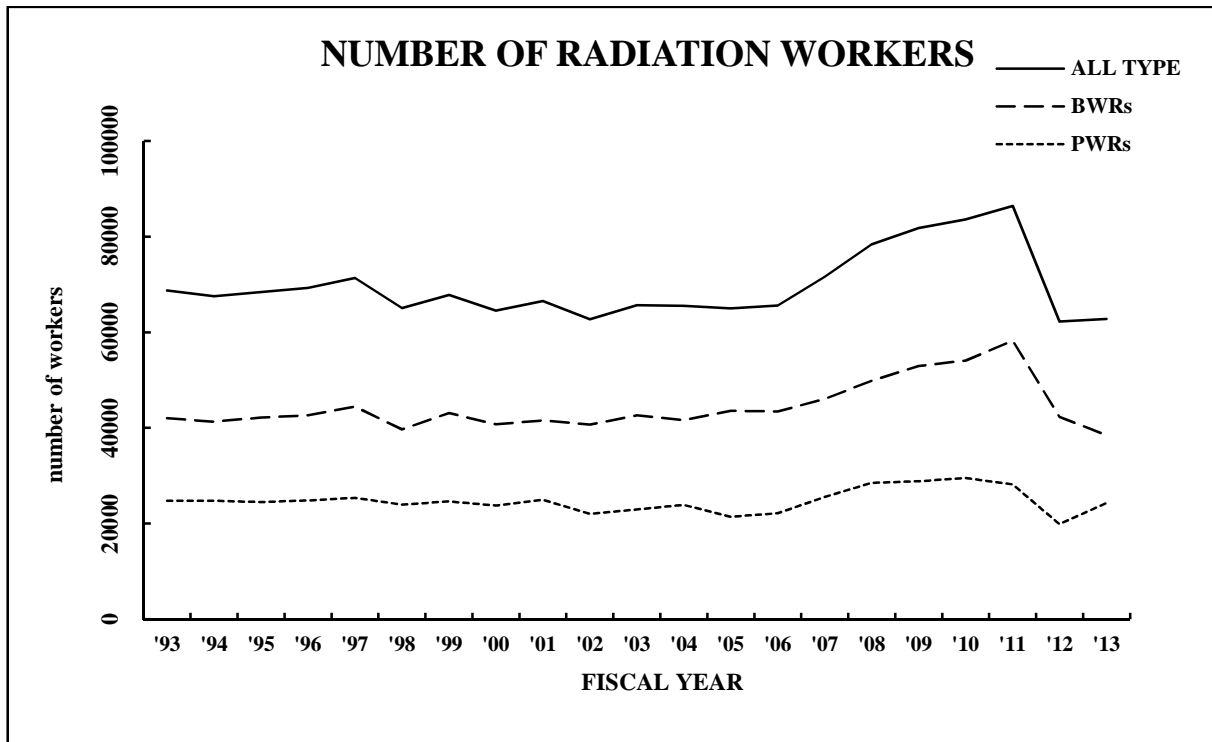
Figure 3



* GCR is included before FY1998.

**BWRs includes 8 reactors which are in permanent shutdown.

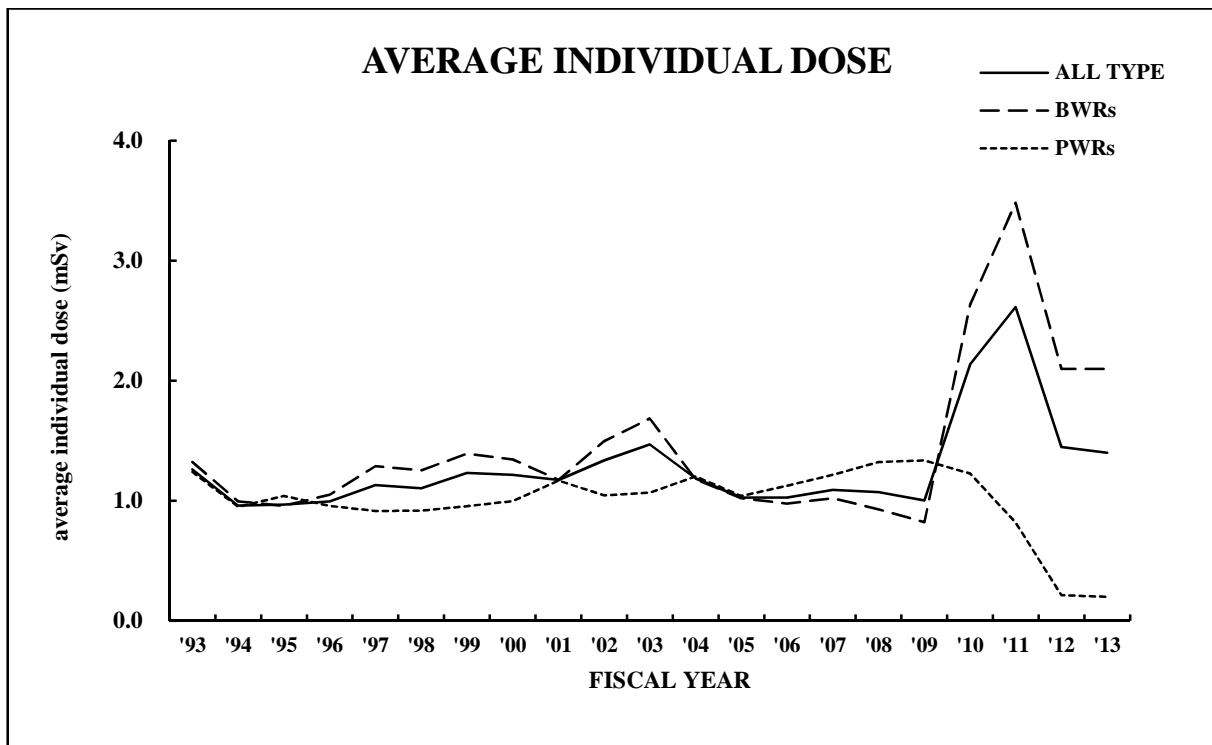
Figure 4



* GCR is included before FY1998.

**BWRs includes 8 reactors which are in permanent shutdown.

Figure 5



* GCR is included before FY1998.

**BWRs includes 8 reactors which are in permanent shutdown.