

October, 1995

ISOE INFORMATION SHEET

JAPANESE DOSIMETRIC RESULTS: FY 1994 DATA

ISOE Asian Technical Center - NUPEC Information Sheet No. 1

This ISOE information sheet presents the Japanese occupational exposure results for FY 1994, and trends from FY 1975 to FY 1994, for commercial reactors in operation.

Tables 1 and 2 give the collective and average dose per reactor in FY 1993 and FY 1994 for PWRs, BWRs and All commercial reactors (including GCR) respectively.

The year 1994 has been marked by an improvement in dosimetric results in most utilities. The gap between the PWR and BWR averages has narrowed as compared to previous years.

Figures 1 to 4 show the annual collective dose and average dose per generated electricity or per reactor, and Figure 5 and 6 the number of radiation worker and the average individual dose, in Japan from FY 1975 to FY 1994.

The ISOE annual report, which will include data analysis, will be available for the steering Group members at the end of 1995 and will be published by OECD Nuclear Energy Agency in 1996.

Table 1. Collective dose in FY 1993 - FY 1994

Reactor type	Collective dose (in person-Sv)	
	FY 1993	FY 1994
PWRs	30.75	23.53
BWRs	55.60	41.14
Commercial Reactors	86.65	64.89

Commercial Reactors: PWR, BWR and GCR

Table 2. Average collective dose per reactor in FY 1993 - FY 1994

Reactor type	Average coll. dose (in person-Sv)	
	FY 1993	FY 1994
PWRs	1.40	1.07
BWRs	2.22	1.58
Commercial Reactors	1.81	1.32

Commercial Reactors: PWR, BWR and GCR

Figure 1 TOTAL COLLECTIVE DOSE

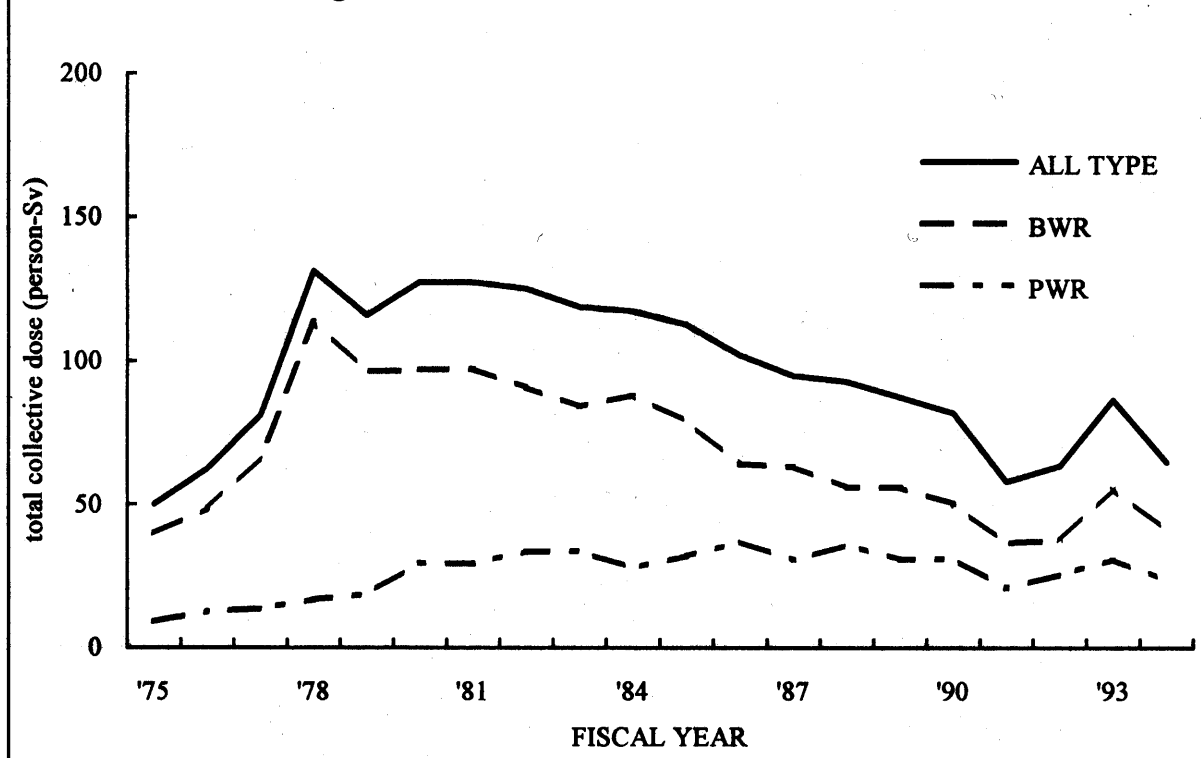


Figure 2 TOTAL COLLECTIVE DOSE PER GENERATED ELECTRICITY

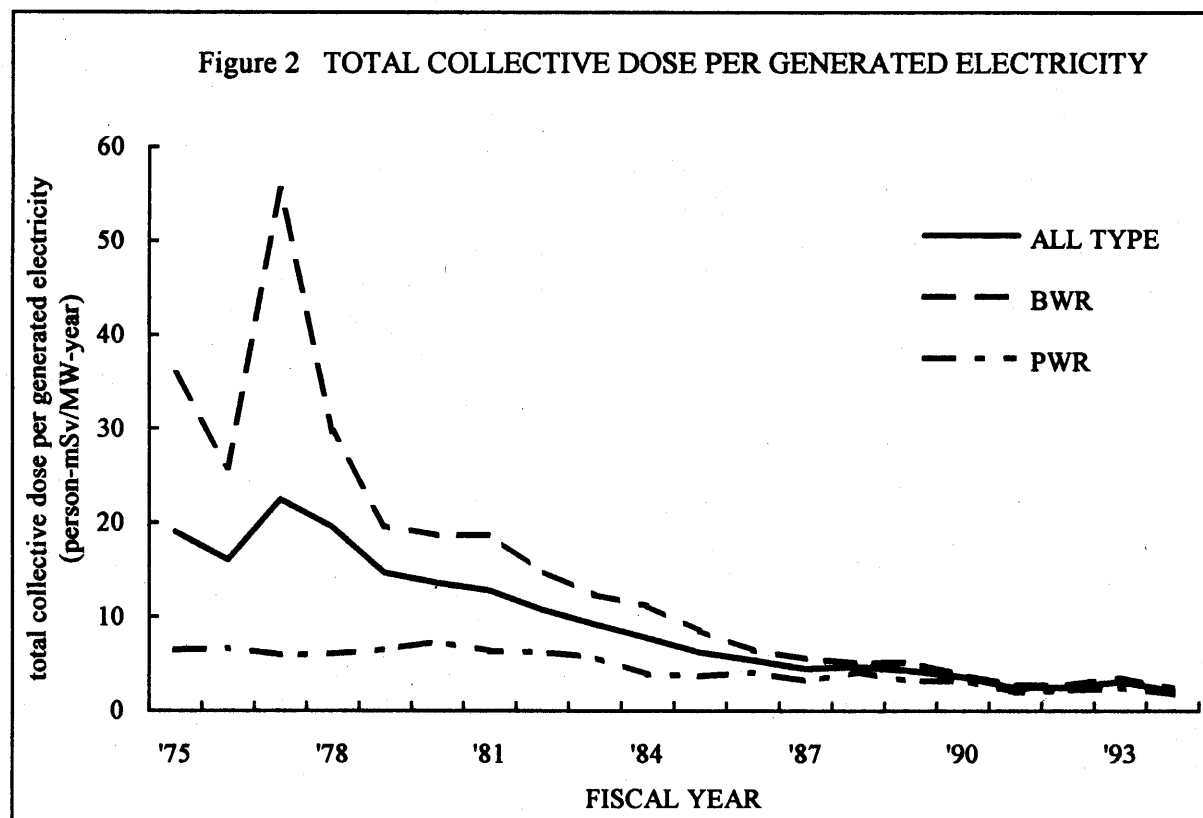


Figure 3 NUMBER OF UNITS IN JAPAN

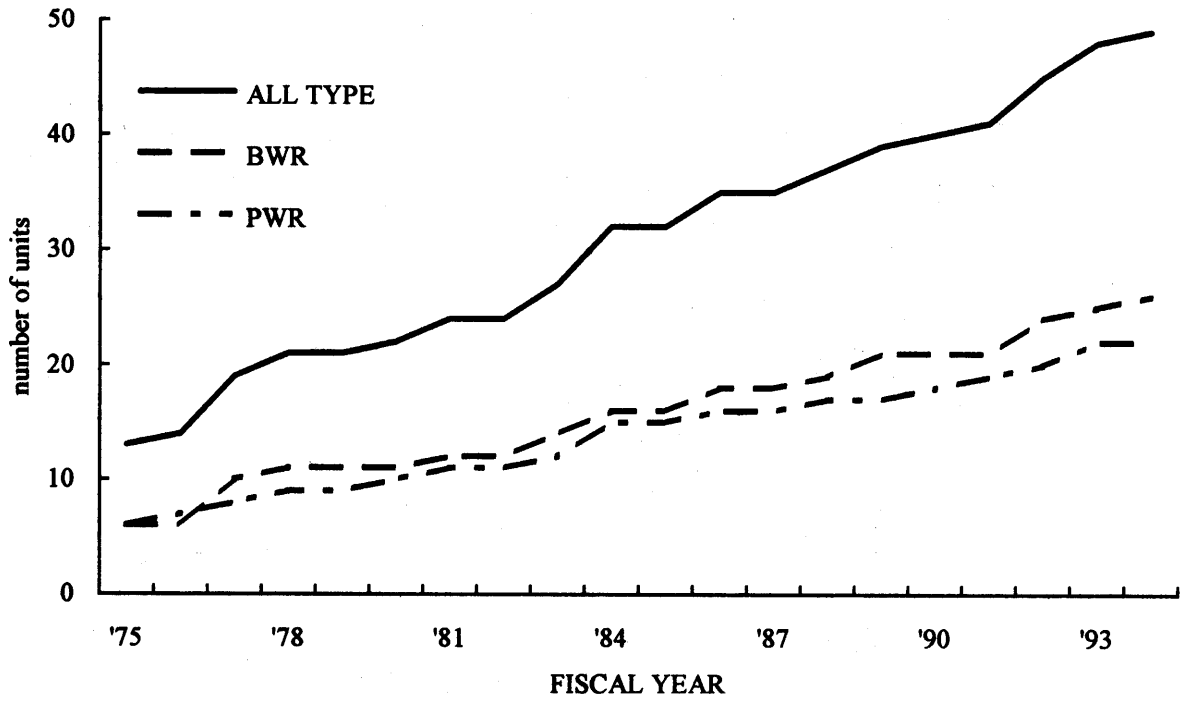


Figure 4 AVERAGE COLLECTIVE DOSE PER REACTOR

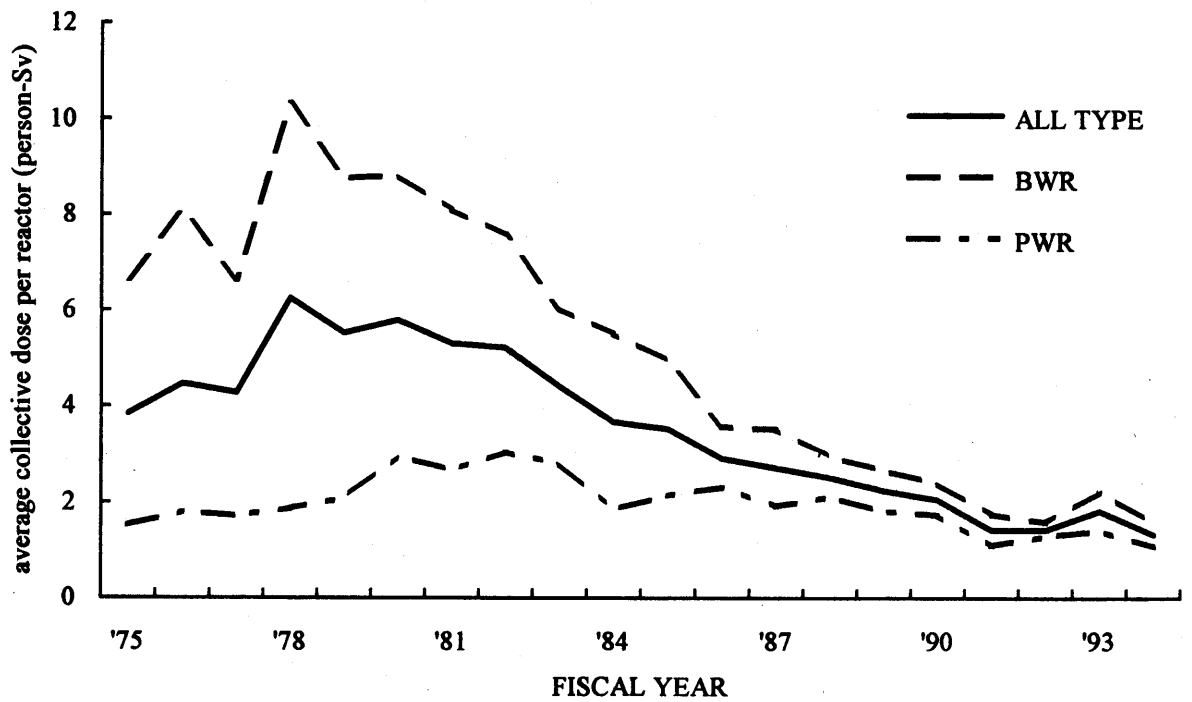


Figure 5 NUMBER OF RADIATION WORKERS

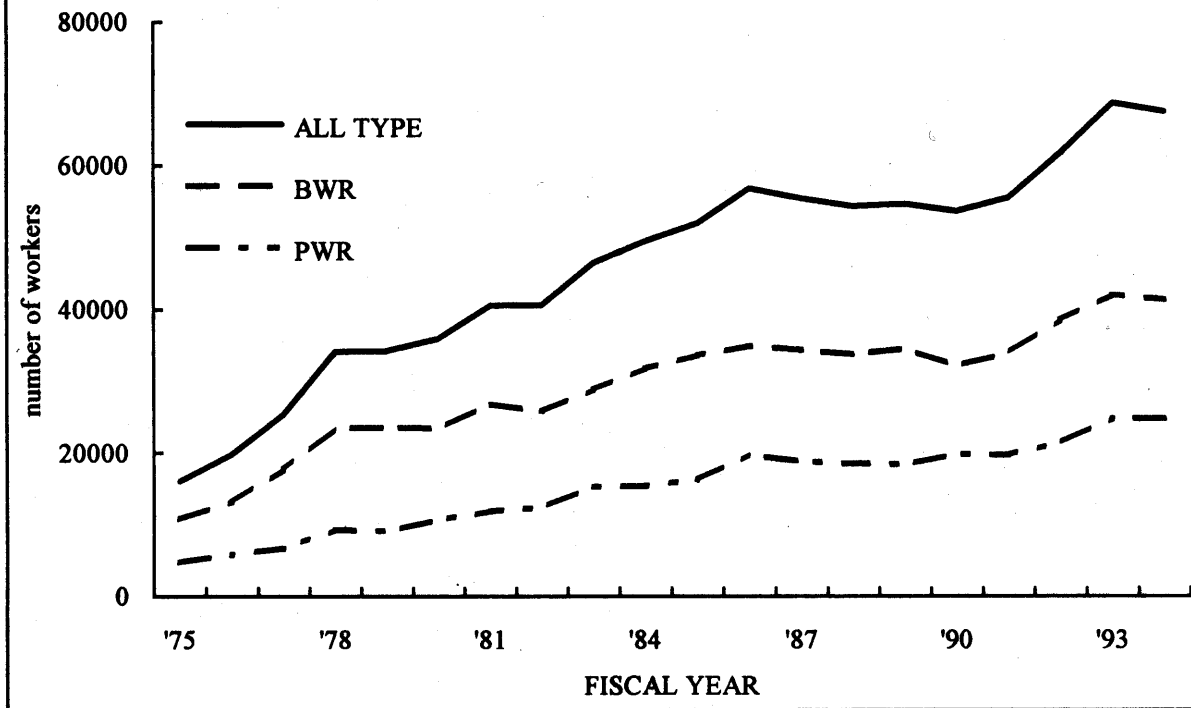


Figure 6 AVERAGE INDIVIDUAL DOSE

