OECD Nuclear Energy Agency
International Atomic Energy Agency

ISOE

Asian Technical Centre

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# ISOE INFORMATION SHEET

# JAPANESE DOSIMETRIC RESULTS: FY 2003 DATA AND TRENDS

**ISOE Asian Technical Center - JNES Information Sheet No. 25**

This ISOE information sheet presents the Japanese occupational exposure results in FY 2003 and trends from FY 1984 to FY 2003 for commercial reactors in operation 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 2002 and FY 2003.
The FY 2003 has resulted in the increase of the total collective dose for BWRs and PWRs.
The increase in collective dose of BWRs for FY 2003 was due to several modification works under high radiation dose rate during the periodical inspections for BWRs, and PWRs was due to unexpected manual shutdowns and repair works.

Figures 3 to 6 show the trends from FY 1984 of the total collective dose, the average collective dose per generated electricity by reactor and the average individual dose etc. in Japan.

**Table 1. Total collective dose in FY 2002 and FY 2003**

| Reactor Type | Total Collective Dose (man.Sv) | |
|---|---|---|
| | FY 2002 | FY 2003 |
| PWRs | 23.03 | 24.52 |
| BWRs | 60.82 | 71.86 |
| Total | 83.85 | 96.39 |

**Table 2. Average collective dose per reactor in FY 2002 and FY 2003**

| Reactor Type | Average Collective Dose (man.Sv) | |
|---|---|---|
| | FY 2002 | FY 2003 |
| PWRs | 1.00 | 1.07 |
| BWRs | 2.10 | 2.40 |
| Total | 1.61 | 1.82 |

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

**Figure 1**

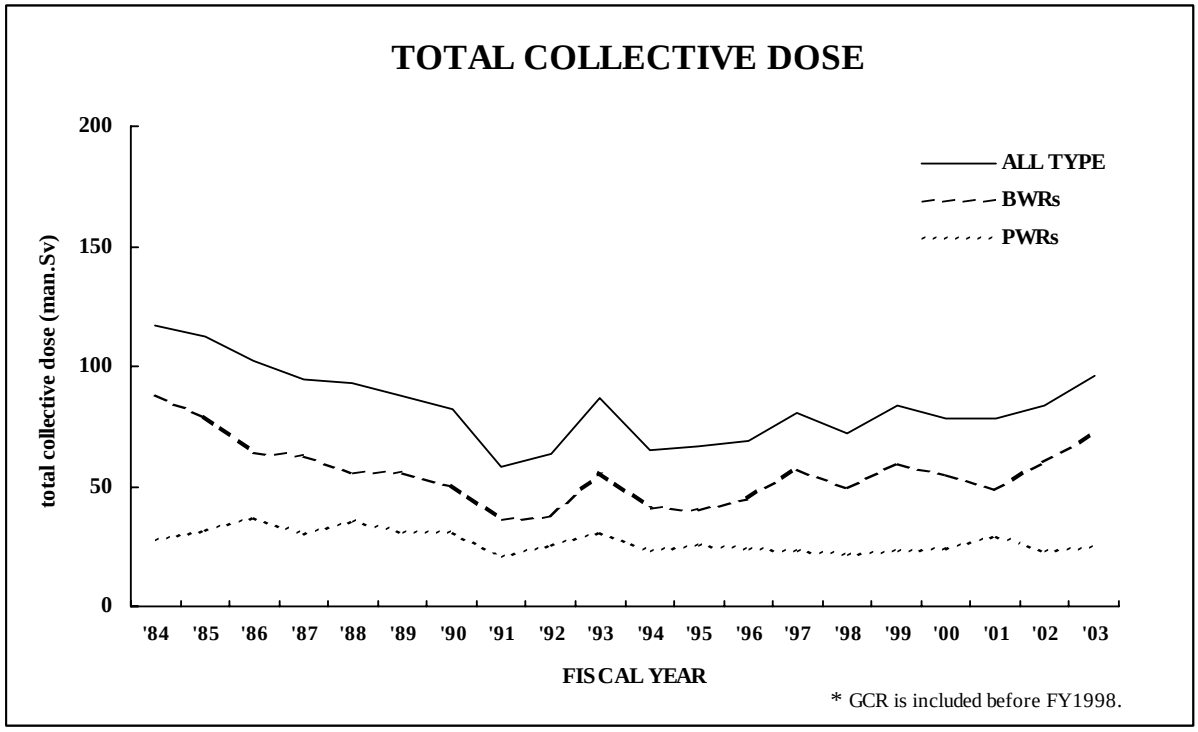


**Figure 2**

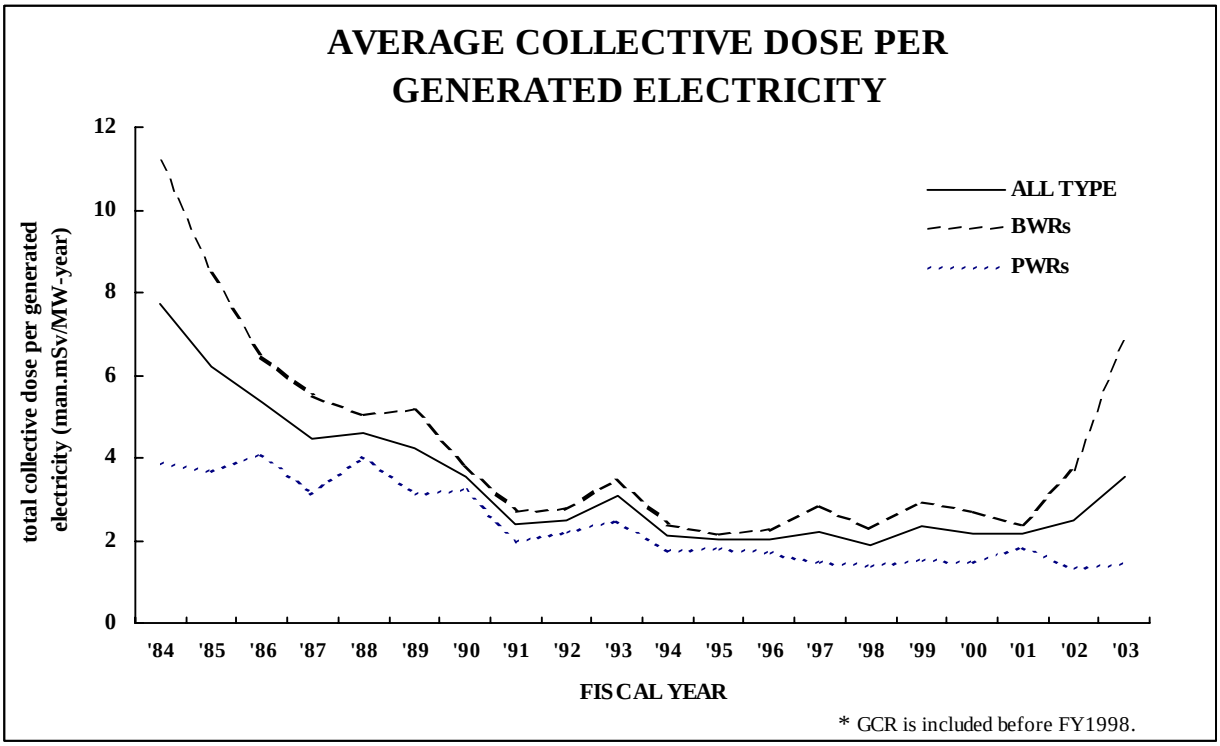

**Figure 3**

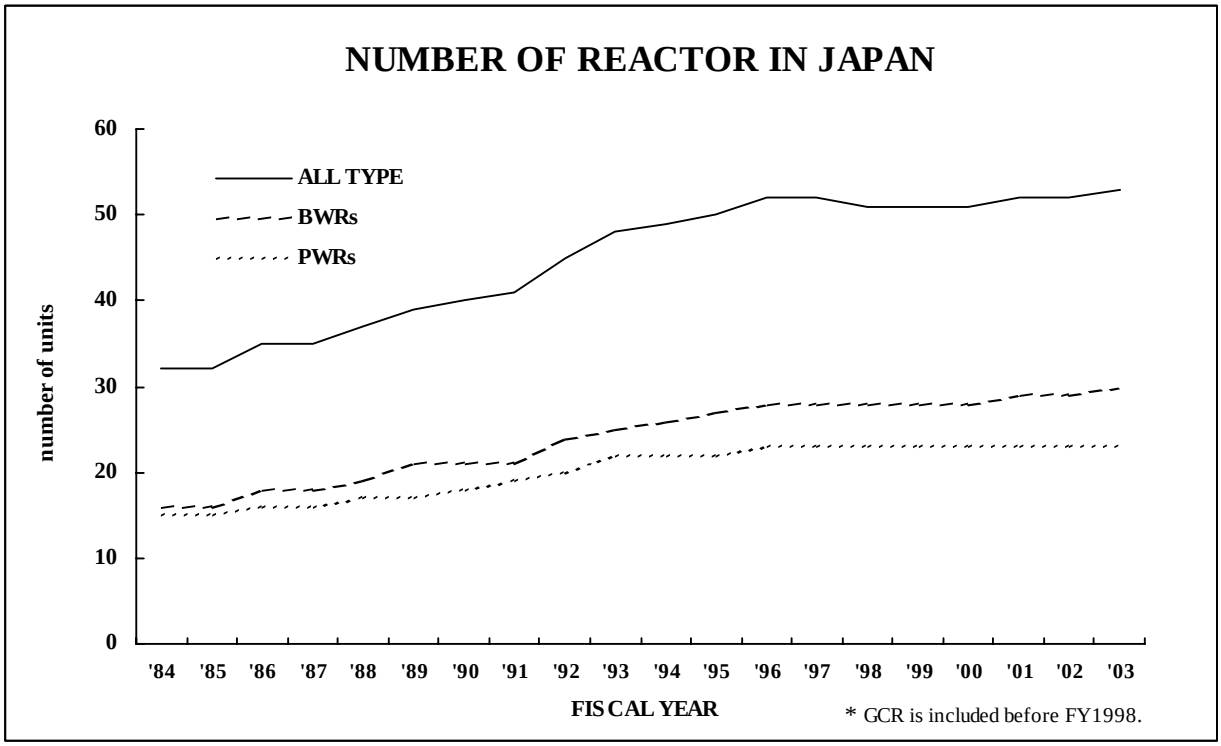


**Figure 4**

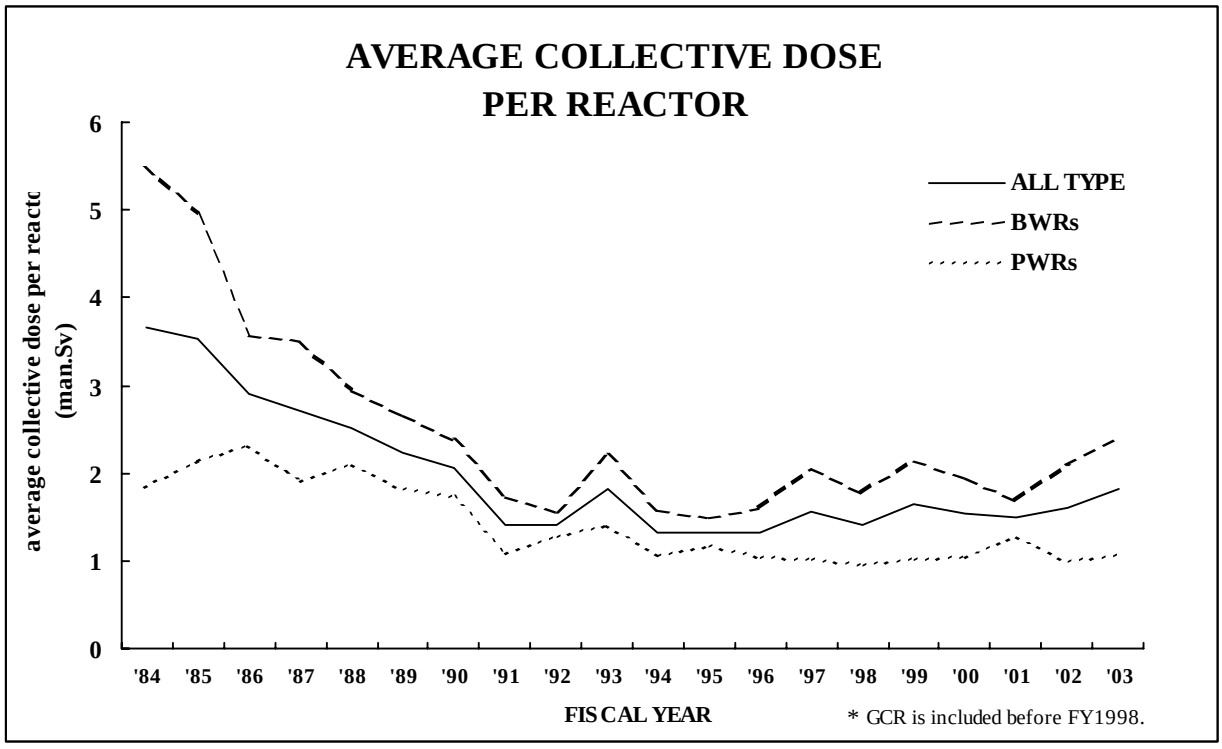

**Figure 5**

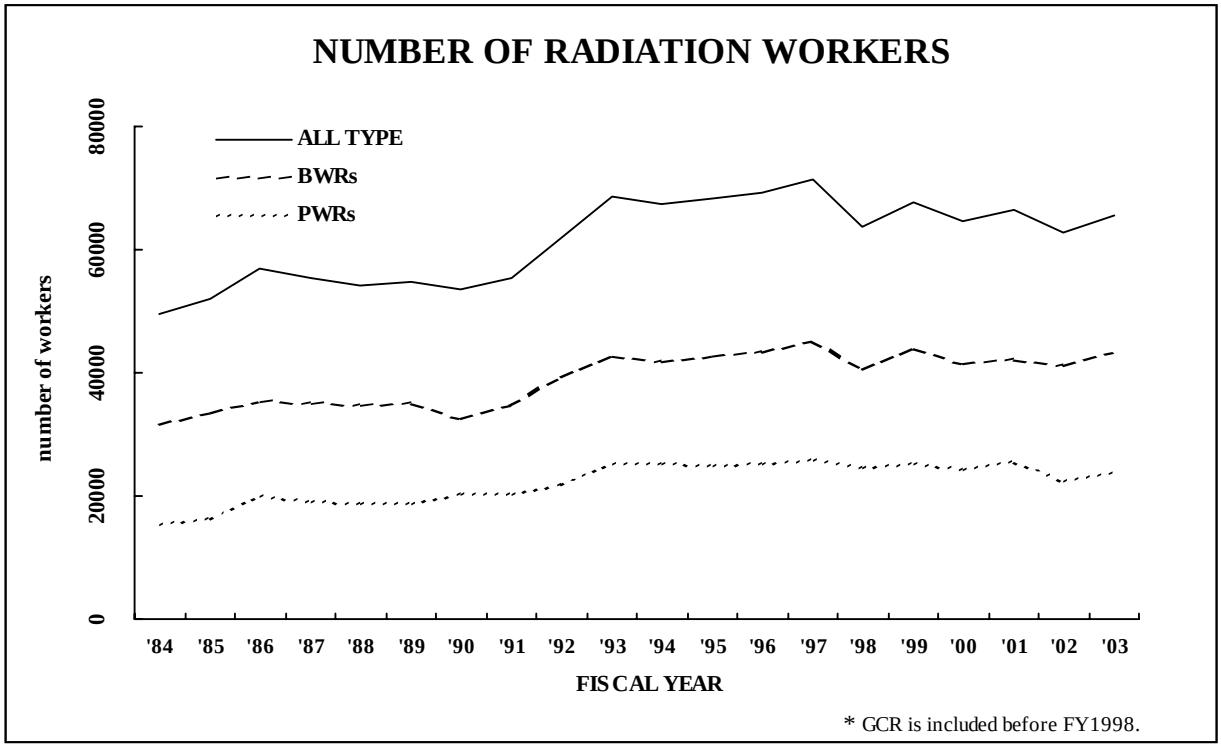


**Figure 6**