



July, 1996

ISOE INFORMATION SHEET

JAPANESE OCCUPATIONAL EXPOSURE DURING PERIODICAL INSPECTION at LWRs ENDED in FY 1995

ISOE Asian Technical Center - NUPEC Information Sheet No. 4

This ISOE information sheet presents the Japanese occupational exposure results during the periodical inspection at LWRs ended in FY 1995, and trends for several years by reactor type (BWR / PWR) and by Japanese plant type (conventional type / improved type).

Tables 1 and 2 give the average collective dose per reactor for PWRs and BWRs respectively during the periodical inspection ended in FY 1994 and FY 1995. The FY 1995 has been marked by an improvement in dosimetric results for both of PWRs and BWRs.

The decrease of BWRs conventional type is due to a little higher value in FY 1994 because of the works under the high radiation dose rate environment. And then, the FY 1995 has been marked by the smallest value, as an improvement, that has ever recorded.

Figure 1 to 4 show the trends of the average collective dose per reactor from FY 1986 to FY 1995 by reactor type and by plant type (conventional / improved type). Figure 5 and 6 show the correlation of the collective dose and the periodical inspection period ended in FY 1990 to FY 1995.

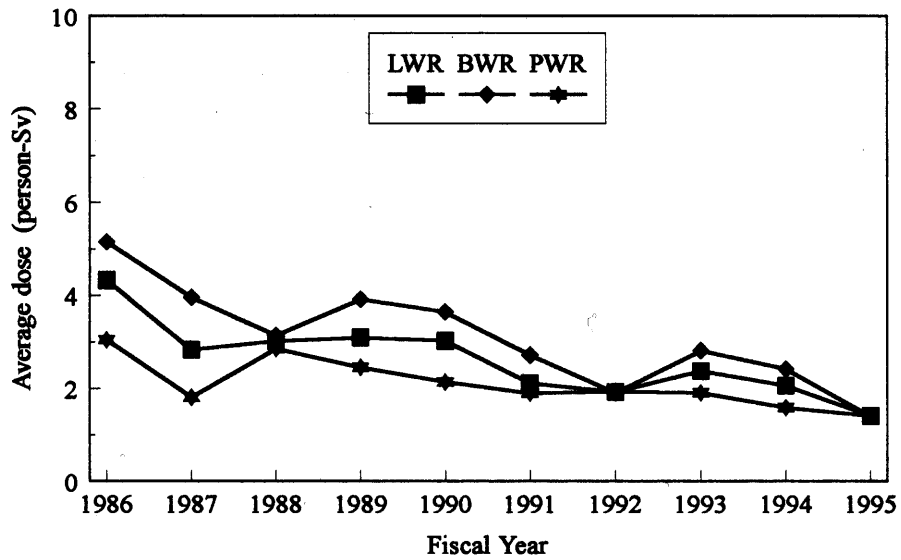
Table 1. PWRs average dose results during periodical inspection ended in FY 1994 and FY 1995

Plant Type	Average Coll. Dose (person-Sv)	
	FY 1994	FY 1995
Conventional Type	2.59	2.12
Improved Type	0.71	0.79
Total PWR	1.59	1.41

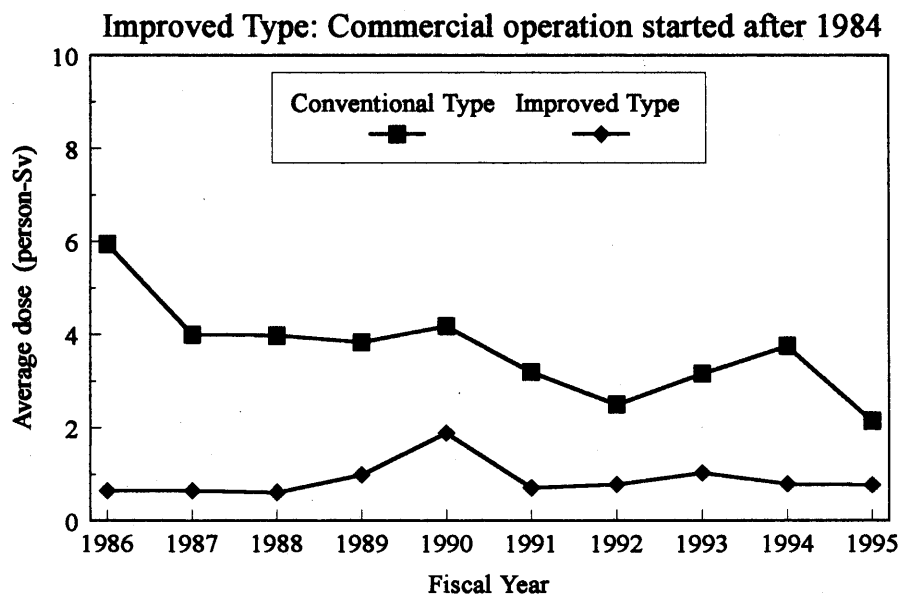
Table 2. BWRs average dose results during periodical inspection ended in FY 1994 and FY 1995

Plant Type	Average Coll. Dose (person-Sv)	
	FY 1994	FY 1995
Conventional Type	4.77	2.19
Improved Type	0.85	0.76
Total BWR	2.06	1.40

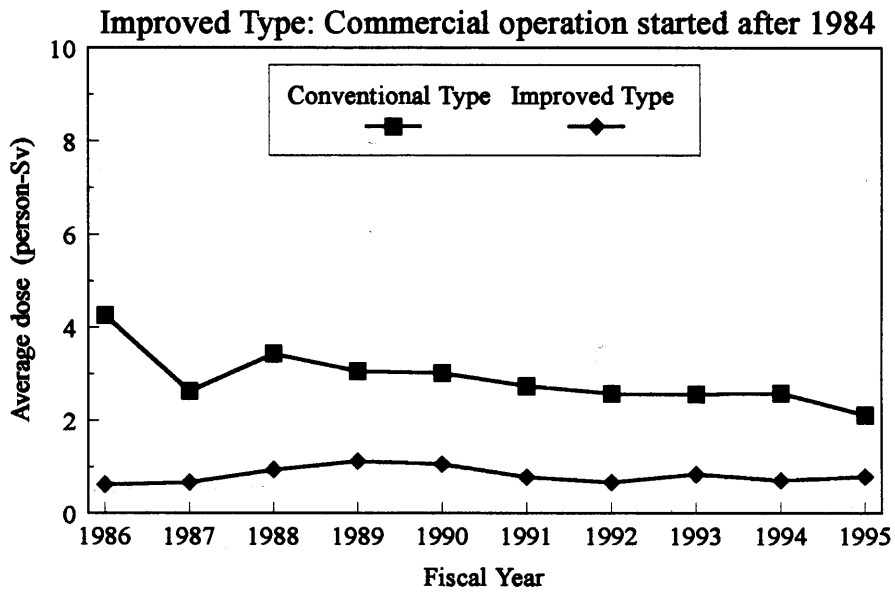
**Figure 1 Average Dose during Periodical Inspection by Reactor Type
(Collective Dose per Reactor)**



**Figure 2 Average Dose during Periodical Inspection of LWR
(Collective Dose per Reactor)**



**Figure 3 Average Dose during Periodical Inspection of PWR
(Collective Dose per Reactor)**



**Figure 4 Average Dose during Periodical Inspection of BWR
(Collective Dose per Reactor)**

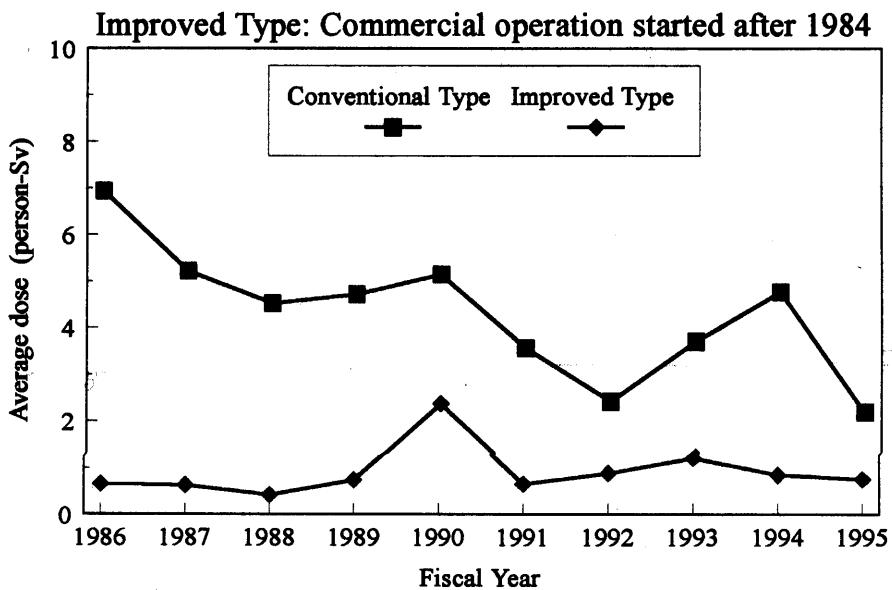


Figure 5

**COLLECTIVE DOSE AND PERIOD OF PERIODICAL INSPECTION
ENDED IN FY 1990 - FY 1995 FOR EACH PWR UNIT**

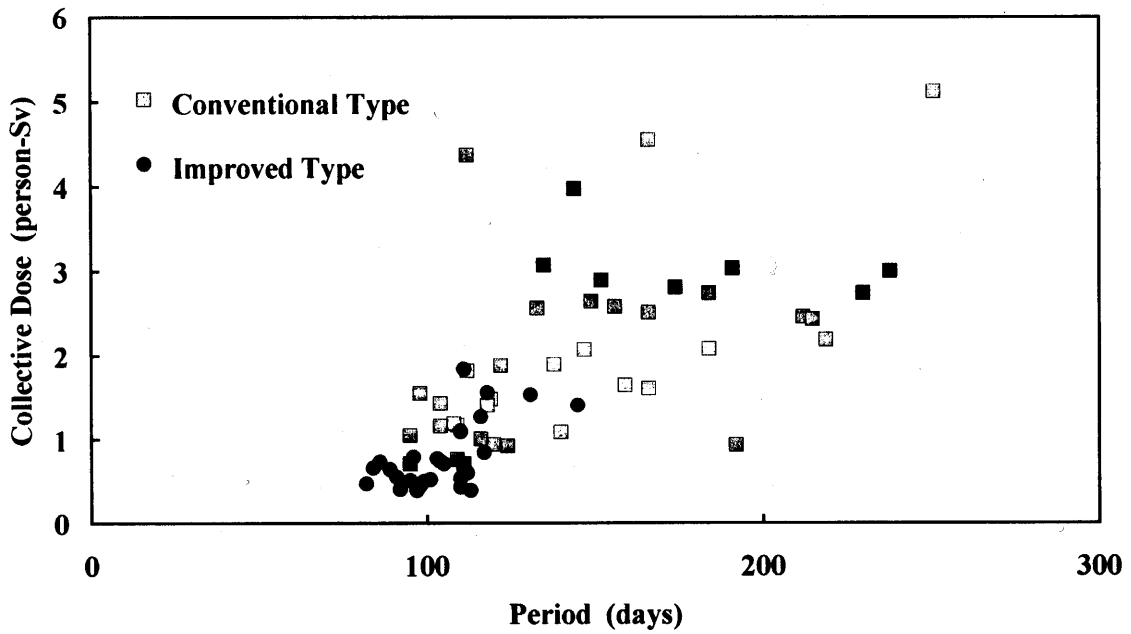


Figure 6

**COLLECTIVE DOSE AND PERIOD OF PERIODICAL INSPECTION
ENDED IN FY 1990 - FY 1995 FOR EACH BWR UNIT**

