



September, 1997

## **ISOE INFORMATION SHEET**

### **JAPANESE OCCUPATIONAL EXPOSURE DURING PERIODICAL INSPECTION at LWRs ENDED in FY 1996**

#### **ISOE Asian Technical Center - NUPEC Information Sheet No. 6**

This ISOE information sheet presents the Japanese occupational exposure results during the periodical inspection at LWRs ended in FY 1996, and trends for several years by reactor type or by Japanese plant type, i.e. Conventional type / Improved type.

Tables 1 and 2 give the average collective dose per reactor during the periodical inspection ended in FY 1995 and FY 1996 for PWRs and BWRs. The FY 1996 has been marked by the increase in dosimetric results on the whole, and the main factor for BWRs conventional type is the increase of the amount of improvement work. And it should also be noted that the previous FY 1995 had the good results on the whole in recent years.

Figures 1 to 4 show the average collective dose per reactor by reactor type and by plant type (Conventional / Improved type) from FY 1986 to FY 1996. Figures 5 and 6 show the correlation between the collective dose and the length of the periodical inspection ended in FY 1990 to FY 1996.

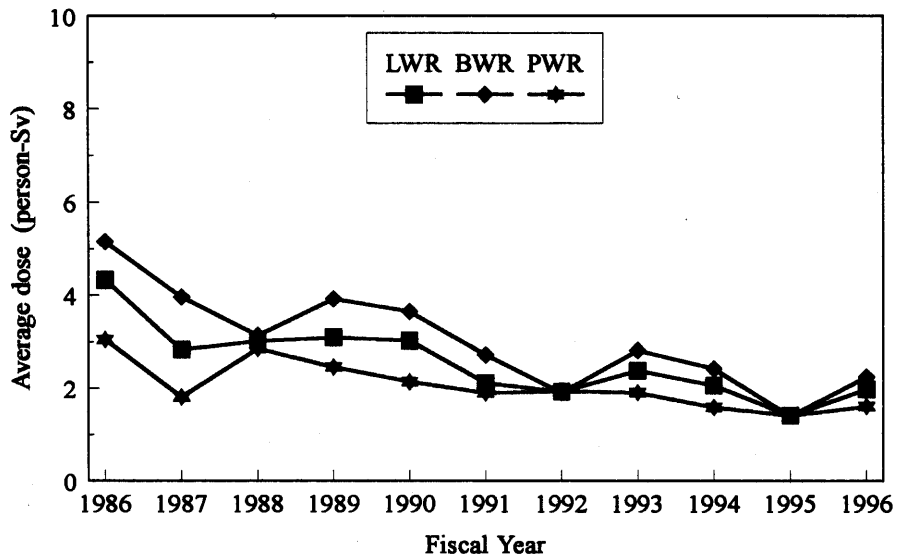
**Table 1. PWRs average dose results during periodical inspection ended in FY 1995 and FY 1996**

Plant type	Average coll. dose (in person-Sv)	
	FY 1995	FY 1996
Conventional type	2.12	2.53
Improved type	0.79	0.79
Total PWR	1.41	1.61

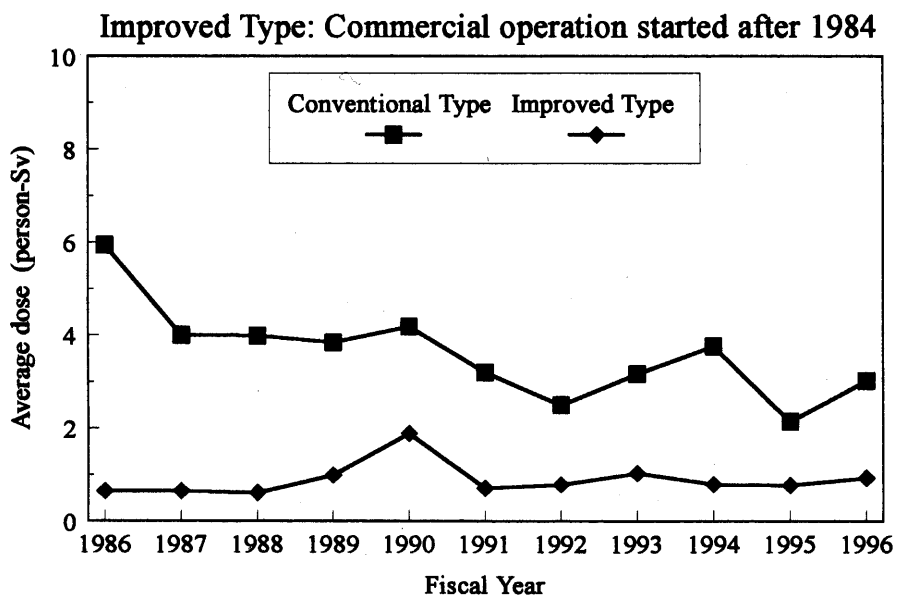
**Table 2. BWRs average dose results during periodical inspection ended in FY 1995 and FY 1996**

Plant type	Average coll. Dose (in person-Sv)	
	FY 1995	FY 1996
Conventional type	2.19	3.34
Improved type	0.76	1.05
Total BWR	1.40	2.25

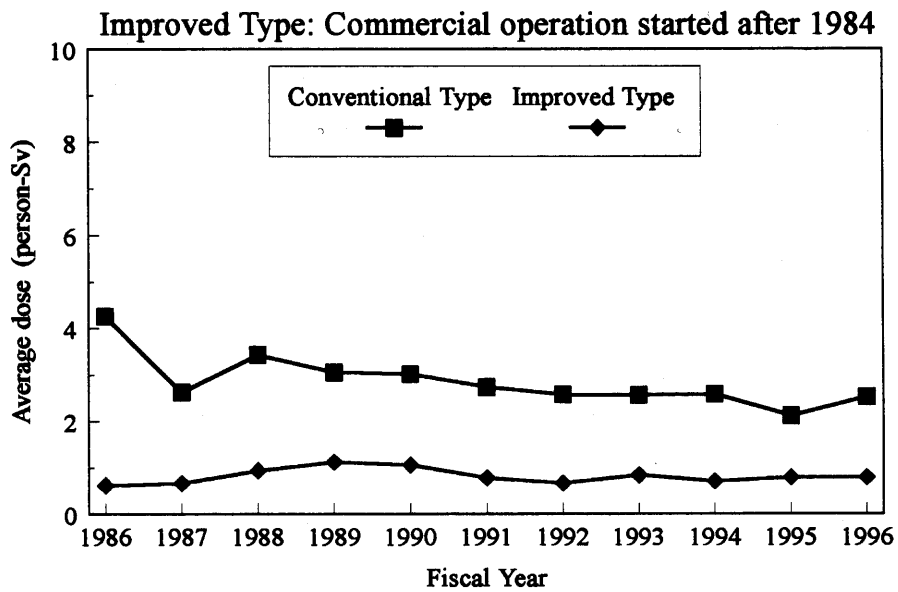
**Figure 1 Average Dose during Periodical Inspection by Reactor Type  
(Collective Dose per Reactor)**



**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)**

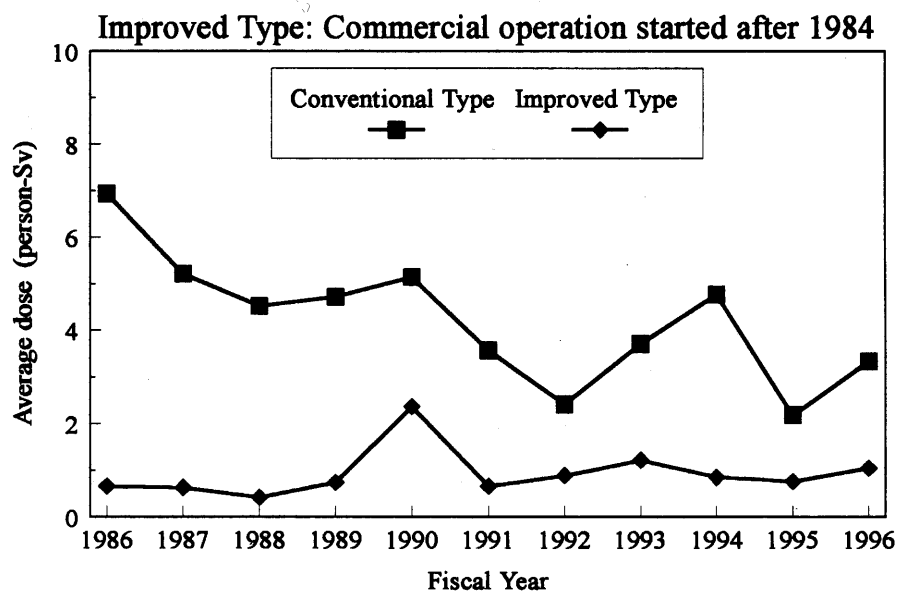


Figure 5

COLLECTIVE DOSE AND PERIOD OF PERIODICAL INSPECTION ENDED IN FY 1990 - FY 1996 FOR EACH PWR UNIT

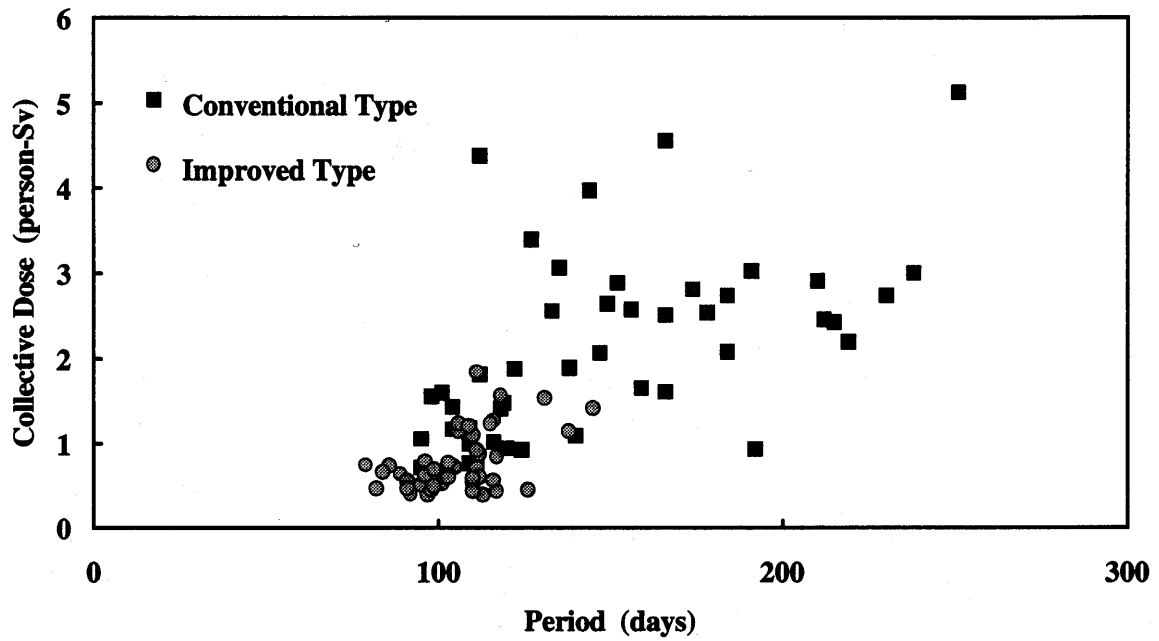


Figure 6

COLLECTIVE DOSE AND PERIOD OF PERIODICAL INSPECTION ENDED IN FY 1990 - FY 1996 FOR EACH BWR UNIT

