

Exposure Dose Distribution

1. Exposure Dose

The distribution of external exposure dose of the workers who engaged in the emergency works during the past 3 months (numbers of workers who entered each area every month) is shown in Table 1.

Table 1

Classification (mSv)	July 2012			August 2012			September 2012		
	TEPCO	Contractor	Total	TEPCO	Contractor	Total	TEPCO	Contractor	Total
Over 250	0	0	0	0	0	0	0	0	0
200-250	0	0	0	0	0	0	0	0	0
150-200	0	0	0	0	0	0	0	0	0
100-150	0	0	0	0	0	0	0	0	0
50-100	0	0	0	0	0	0	0	0	0
20-50	0	0	0	0	0	0	0	0	0
10-20	0	26	26	0	0	0	0	27	27
10 or less	1,006	4,854	5,860	995	4,718	5,713	843	4,643	5,486
Total	1,006	4,880	5,886	995	4,718	5,713	843	4,670	5,513
Max. (mSv)	6.60	17.28	17.28	7.20	9.92	9.92	7.86	18.57	18.57
Ave. (mSv)	0.62	1.19	1.09	0.61	0.89	0.84	0.52	1.02	0.94

* We use integrated value of APD data that measured every time when enter into the area. These data sometimes fluctuate due to replacing these data to monthly dose data measured by integral dosimeter

2. Total of external exposure and internal exposure doses combined

The accumulative exposure doses of the workers who engaged in the emergency works at the end of August (March 11, 2011 to August 31, 2012) and at the end of September (March 11, 2011 to September 30, 2012) is shown in Table 2. The exposure dose distributions at the end of August (April - August 2012) and at the end of September (April - September 2012) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-August 2012			March 2011-September 2012			Fluctuation		
	TEPCO	Contractor	Total	TEPCO	Contractor	Total	TEPCO	Contractor	Total
Over 250	6	0	6	6	0	6	0	0	0
200-250	1	2	3	1	2	3	0	0	0
150-200	22	2	24	22	2	24	0	0	0
100-150	117	17	134	117	17	134	0	0	0
50-100	492	425	917	497	444	941	5	19	24
20-50	602	2,799	3,401	604	2,868	3,472	2	69	71
10-20	490	3,039	3,529	490	3,085	3,575	0	46	46
10 or less	1,820	13,887	15,707	1,820	14,143	15,963	0	256	256
Total	3,550	20,171	23,721	3,557	20,561	24,118	7	390	397
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.68	9.58	11.84	24.76	9.62	11.86	-	-	-

* We use integrated value of APD data that measured every time when enter into the area. These data sometimes fluctuate due to replacing these data to monthly dose data measured by integral dosimeter

* There has been no significant internal radiation exposure reported since October 2011.

Table 3

Classification (mSv)	April-August 2012			April-September 2012			Fluctuation		
	TEPCO	Contractor	Total	TEPCO	Contractor	Total	TEPCO	Contractor	Total
Over 250	0	0	0	0	0	0	0	0	0
200-250	0	0	0	0	0	0	0	0	0
150-200	0	0	0	0	0	0	0	0	0
100-150	0	0	0	0	0	0	0	0	0
50-100	0	0	0	0	0	0	0	0	0
20-50	13	130	143	17	167	184	4	37	41
10-20	48	465	513	57	658	715	9	193	202
10 or less	1,329	7,120	8,449	1,331	7,446	8,777	2	326	328
Total	1,390	7,715	9,105	1,405	8,271	9,676	15	556	571
Max. (mSv)	30.50	36.49	36.49	30.50	36.49	36.49	-	-	-
Ave. (mSv)	2.53	3.37	3.24	2.53	3.37	3.25	-	-	-

* We use integrated value of APD data that measured every time when enter into the area. These data sometimes fluctuate due to replacing these data to monthly dose data measured by integral dosimeter

3. Total of external exposure and internal exposure doses of specific workers under high radiation dose

Distribution of the accumulative exposure dose of the Specific workers under high radiation dose*¹ is shown in Table 4.

Table 4

Classification (mSv)	July 2012	August 2012	September 2012	March 2011-September 2012
Over 250	0	0	0	0
200-250	0	0	0	0
150-200	0	0	0	0
100-150	0	0	0	0
50-100	0	0	0	274
20-50	0	0	0	172
10-20	0	0	0	53
10 or less	553	575	578	79
Total	553	575	578	578
Max. (mSv)	6.60	7.20	7.86	93.65
Ave. (mSv)	0.88	0.92	0.78	45.68

(147 workers did not enter the site in September.)

*¹ Specific workers under high radiation dose

The workers who applied Emergency dose limit (100mSv) shown in "Ordinance on Prevention of Ionizing Radiation Hazards, chapter 7." Specifically, it means the workers who engaged in the work to maintain the function that cooling reactor facility or spent fuel tank at the area where the radiation dose exceed 0.1 mSv /h and reactor facility, steam turbine and related facilities and surrounding area in the power plant or the work to maintain the function to control or prevent release of huge amount radioactive material due to trouble or break of reactor facility. Until now, all Specific workers under high radiation dose are TEPCO Employees.

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