

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)	June 2012			July 2012			August 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	3	8	11	0	26	26	0	0	0
10 or less	1,006	4,905	5,911	1,006	4,854	5,860	864	4,718	5,582
Total	1,009	4,913	5,922	1,006	4,880	5,886	864	4,718	5,582
Max. (mSv)	12.10	12.11	12.11	6.60	17.28	17.28	7.05	9.92	9.92
Ave. (mSv)	0.78	1.10	1.05	0.62	1.19	1.09	0.55	0.89	0.84

* 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 July (March 11, 2011 to July 31, 2012) and at the end of August (March 11, 2011 to August 31, 2012) is shown in Table 2. The exposure dose distributions at the end of July (April - July 2012) and at the end of August (April - August 2012) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-July 2012			March 2011-August 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	481	405	886	488	425	913	7	20	27
20-50	608	2,737	3,345	605	2,799	3,404	-3	62	59
10-20	490	3,026	3,516	491	3,039	3,530	1	13	14
10 or less	1,795	13,587	15,382	1,817	13,887	15,704	22	300	322
Total	3,520	19,776	23,296	3,547	20,171	23,718	27	395	422
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.72	9.55	11.84	24.67	9.58	11.83	-	-	-

* 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-July 2012			April-August 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	9	112	121	13	130	143	4	18	22
10-20	33	324	357	48	465	513	15	141	156
10 or less	1,286	6,698	7,984	1,324	7,120	8,444	38	422	460
Total	1,328	7,134	8,462	1,385	7,715	9,100	57	581	638
Max. (mSv)	26.20	36.49	36.49	30.60	36.49	36.49	-	-	-
Ave. (mSv)	2.19	3.05	2.92	2.44	3.37	3.23	-	-	-

* 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)	June 2012	July 2012	August 2012	March 2011-August 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	266
20-50	0	0	0	176
10-20	1	0	0	50
10 or less	540	553	575	83
Total	541	553	575	575
Max. (mSv)	11.10	6.60	7.05	93.65
Ave. (mSv)	1.09	0.88	0.82	45.26

(135 workers did not enter the site in August.)

*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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