

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)	December 2012			January 2013			February 2013		
	TEPCO	Contractor	Total	TEPCO	Contractor	Total	TEPCO	Contractor	Total
Over 100	0	0	0	0	0	0	0	0	0
75-100	0	0	0	0	0	0	0	0	0
50-75	0	0	0	0	0	0	0	0	0
20-50	0	0	0	0	0	0	0	0	0
10-20	0	8	8	0	8	8	0	34	34
5-10	10	170	180	3	113	116	2	239	241
1-5	149	1,294	1,443	93	1,222	1,315	96	1,351	1,447
1 or less	852	3,159	4,011	875	3,570	4,445	708	3,654	4,362
Total	1,011	4,631	5,642	971	4,913	5,884	806	5,278	6,084
Max. (mSv)	7.40	15.85	15.85	7.10	12.65	12.65	5.43	17.44	17.44
Ave. (mSv)	0.57	1.09	1.00	0.41	0.93	0.85	0.45	1.19	1.09

* 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 January (March 11, 2011 to January 31, 2013) and at the end of February (March 11, 2011 to February 28, 2013) is shown in Table 2. The exposure dose distributions at the end of January (April 2012 - January 2013) and at the end of February (April 2012 - February 2013) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-January 2013			March 2011-February 2013			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
75-100	227	66	293	228	66	294	1	0	1
50-75	303	455	758	303	483	786	0	28	28
20-50	601	3,079	3,680	605	3,181	3,786	4	102	106
10-20	484	3,316	3,800	486	3,395	3,881	2	79	81
5-10	393	3,054	3,447	394	3,080	3,474	1	26	27
1-5	604	5,812	6,416	606	5,898	6,504	2	86	88
1 or less	883	6,393	7,276	887	6,529	7,416	4	136	140
Total	3,641	22,196	25,837	3,565	22,653	26,308	14	457	471
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.83	9.76	11.88	24.84	9.84	11.92	-	-	-

* 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 2012-January 2013			April 2012-February 2013			Fluctuation in FY 2012		
	TEPCO	Contractor	Total	TEPCO	Contractor	Total	TEPCO	Contractor	Total
Over 100	0	0	0	0	0	0	0	0	0
75-100 *	0	0	0	0	0	0	0	0	0
50-75	0	0	0	1	0	1	1	0	1
20-50	47	340	387	53	438	491	6	98	104
10-20	107	1,360	1,467	115	1,595	1,710	8	235	243
5-10	241	1,710	1,951	239	1,733	1,972	-2	23	21
1-5	595	3,145	3,740	601	3,225	3,826	6	80	86
1 or less	573	3,961	4,534	576	4,082	4,658	3	121	124
Total	1,563	10,516	12,079	1,585	11,073	12,658	22	557	579
Max. (mSv)	46.80	41.22	46.80	51.81	41.45	51.81	-	-	-
Ave. (mSv)	3.99	4.71	4.62	4.17	5.04	4.93	-	-	-

* A TEPCO employee who is exposed to 50 - 75 mSv radiation is specific worker under high radiation dose

* 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)	December 2012	January 2013	February 2013	March 2011-February 2013
Over 100	0	0	0	0
75-100	0	0	0	106
50-75	0	0	0	180
20-50	0	0	0	178
10-20	0	0	0	50
5-10	10	3	2	46
1-5	134	87	92	35
1 or less	443	504	512	11
Total	587	594	606	606
Max. (mSv)	7.40	7.10	5.43	94.95
Ave. (mSv)	0.93	0.61	0.71	45.42

(189 workers did not enter the site in February.)

*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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