

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)	November 2012			December 2012			January 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	15	15	0	8	8	0	8	8
5-10	7	118	125	10	170	180	3	113	116
1-5	147	1,136	1,283	149	1,294	1,443	88	1,222	1,310
1 or less	809	3,192	4,001	852	3,159	4,011	698	3,570	4,268
Total	963	4,461	5,424	1,011	4,631	5,642	789	4,913	5,702
Max. (mSv)	9.50	19.28	19.28	7.40	15.85	15.85	7.39	12.65	12.65
Ave. (mSv)	0.61	1.00	0.93	0.57	1.09	1.00	0.41	0.93	0.86

* 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

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

Table 2

Classification (mSv)	March 2011-December 2012			March 2011-January 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	225	66	291	227	66	293	2	0	2
50-75	303	437	740	302	455	757	-1	18	17
20-50	598	3,032	3,630	602	3,079	3,681	4	47	51
10-20	484	3,250	3,734	483	3,316	3,799	-1	66	65
5-10	392	2,978	3,370	393	3,054	3,447	1	76	77
1-5	601	5,754	6,355	604	5,812	6,416	3	58	61
1 or less	882	6,229	7,111	884	6,393	7,277	2	164	166
Total	3,631	21,767	25,398	3,641	22,196	25,837	10	429	439
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.79	9.74	11.89	24.81	9.76	11.88	-	-	-

* 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-December 2012			April 2012-January 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	0	0	0	0	0	0
20-50	45	297	342	47	340	387	2	43	45
10-20	92	1,194	1,286	108	1,360	1,468	16	166	182
5-10	230	1,629	1,859	236	1,710	1,946	6	81	87
1-5	600	3,068	3,668	594	3,145	3,739	-6	77	71
1 or less	579	3,769	4,348	578	3,961	4,539	-1	192	191
Total	1,546	9,957	11,503	1,563	10,516	12,079	17	559	576
Max. (mSv)	44.00	40.89	44.00	46.59	41.22	46.59	-	-	-
Ave. (mSv)	3.78	4.51	4.41	3.95	4.71	4.61	-	-	-

* 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)	November 2012	December 2012	January 2013	March 2011- January 2013
Over 100	0	0	0	0
75-100	0	0	0	105
50-75	0	0	0	180
20-50	0	0	0	172
10-20	0	0	0	48
5-10	7	10	3	44
1-5	126	134	83	36
1 or less	450	443	508	9
Total	583	587	594	594
Max. (mSv)	9.50	7.40	7.39	94.95
Ave. (mSv)	0.90	0.93	0.61	45.58

(191 workers did not enter the site in January.)

*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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