

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)	October 2012			November 2012			December 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	0	0	0	0	0	0	0	0	0
10-20	0	20	20	0	15	15	0	8	8
5-10	7	120	127	7	118	125	10	170	180
1-5	144	1,196	1,340	147	1,136	1,283	139	1,294	1,433
1 or less	829	3,319	4,148	806	3,195	4,001	707	3,161	3,868
Total	980	4,655	5,635	960	4,464	5,424	856	4,633	5,489
Max. (mSv)	6.30	16.94	16.94	9.50	19.28	19.28	7.50	15.85	15.85
Ave. (mSv)	0.61	1.00	0.93	0.61	1.00	0.93	0.58	1.09	1.01

* 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 November (March 11, 2011 to November 30, 2012) and at the end of December (March 11, 2011 to December 31, 2012) is shown in Table 2. The exposure dose distributions at the end of November (April - November 2012) and at the end of December (April - December 2012) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-November 2012			March 2011-December 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
75-100	217	65	282	224	66	290	7	1	8
50-75	303	414	717	303	437	740	0	23	23

20-50	599	2,973	3,572	599	3,032	3,631	0	59	59
10-20	705	3,263	3,968	708	3,316	4,024	3	53	56
5-10	162	2,836	2,998	165	2,912	3,077	3	76	79
1-5	817	5,710	6,527	822	5,823	6,645	5	113	118
1 or less	667	6,042	6,709	661	6,163	6,824	-6	121	115
Total	3,616	21,324	24,940	3,628	21,770	25,398	12	446	458
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.73	9.71	11.88	24.79	9.74	11.89	-	-	-

* 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-November 2012			April-December 2012			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	35	242	277	44	297	341	9	55	64
10-20	74	1,015	1,089	91	1,194	1,285	17	179	196
5-10	217	1,557	1,774	226	1,629	1,855	9	72	81
1-5	611	2,932	3,543	598	3,070	3,668	-13	138	125
1 or less	580	3,618	4,198	584	3,770	4,354	4	152	156
Total	1,517	9,364	10,881	1,543	9,960	11,503	26	596	622
Max. (mSv)	39.50	40.62	40.62	43.68	40.89	43.68	-	-	-
Ave. (mSv)	3.47	4.26	4.15	3.73	4.51	4.41	-	-	-

* 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)	October 2012	November 2012	December 2012	March 2011- December 2012
Over 100	0	0	0	0
75-100	0	0	0	103
50-75	0	0	0	181
20-50	0	0	0	168
10-20	0	0	0	50
5-10	7	7	10	41

1-5	122	119	128	35
1 or less	449	457	449	9
Total	578	583	587	587
Max. (mSv)	6.30	9.53	7.50	95.00
Ave. (mSv)	0.89	0.85	0.94	45.58

(162 workers did not enter the site in December.)

*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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