

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)	March 2013			April 2013			May 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	2	35	37	0	5	5	0	4	4
5-10	10	335	345	4	111	115	4	73	77
1-5	140	1706	1846	107	1165	1272	87	961	1048
1 or less	846	3901	4747	950	4030	4980	734	3827	4561
Total	998	5977	6975	1061	5311	6372	825	4865	5690
Max. (mSv)	11.03	19.30	19.30	5.90	14.40	14.40	7.54	15.35	15.35
Ave. (mSv)	0.60	1.35	1.24	0.49	0.88	0.81	0.44	0.77	0.72

* 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.

* Numbers of workers who entered into the area were increased in March and April 2013, since we reflected the number of workers who wear integral dosimeter (workers who entered only the Main Anti-earthquake Building).

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 April (March 11, 2011 to April 30, 2013) and at the end of May (March 11, 2011 to May 31, 2013) is shown in Table 2. The exposure dose distributions at the end of April (April 2013) and at the end of May (April 2013 to May 2013) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-April 2013			March 2011-May 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	239	78	317	241	78	319	2	0	2
50-75	302	564	866	303	588	891	1	24	25

20-50	614	3649	4263	613	3702	4315	-1	53	52
10-20	497	3553	4050	508	3567	4075	11	14	25
5-10	426	3285	3711	425	3295	3720	-1	10	9
1-5	624	6143	6767	621	6226	6847	-3	83	80
1 or less	931	6825	7756	942	7003	7945	11	178	189
Total	3779	24118	27897	3799	24,480	28,279	20	362	382
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.47	10.39	12.30	24.44	10.39	12.28	-	-	-

* 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.

* Internal exposure doses may be revised due to the reconfirmation.

* Numbers of workers who entered into the area were increased in March and April 2013, since we reflected the number of workers who wear integral dosimeter (workers who entered only the Main Anti-earthquake Building).

Table 3

Classification (mSv)	April 2013			April 2013-May 2013			Fluctuation		
	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	3	3	0	3	3
10-20	0	5	5	1	55	56	1	50	51
5-10	4	111	115	19	321	340	15	210	225
1-5	107	1165	1272	228	1781	2009	121	616	737
1 or less	950	4030	4980	880	3969	4849	-70	-61	-131
Total	1061	5311	6372	1128	6129	7257	67	818	885
Max. (mSv)	5.90	14.40	14.40	12.44	22.37	22.37	-	-	-
Ave. (mSv)	0.49	0.88	0.81	0.78	1.37	1.28	-	-	-

* 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.

* Numbers of workers who entered into the area were increased in April 2013, since we reflected the number of workers who wear integral dosimeter (workers who entered only the Main Anti-earthquake Building).

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)	March 2013	April 2013	May 2013	March 2011- May 2013
Over 100	0	0	0	0
75-100	0	0	0	132
50-75	0	0	0	191

20-50	0	0	0	220
10-20	0	0	0	69
5-10	5	4	2	65
1-5	122	92	66	39
1 or less	307	386	330	17
Total	434	482	398	733
Max. (mSv)	7.84	5.90	7.54	95.79
Ave. (mSv)	0.89	0.73	0.51	44.26

(79 workers did not enter the site in May.)

*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.

*² Definition of the specific workers under high radiation dose is changed to the workers who were applied as the specific workers under high radiation dose for each month. However, workers who are no longer are the specific workers under high radiation dose are included in the figures from March 2011 to May 2013.

End