

Exposure Dose Distribution

1. Exposure Dose

The distribution of external exposure dose of the workers who engaged in the radiological works during the past 3 months (numbers of workers who entered each area every month) is shown in Table 1.

Table 1

Classification (mSv)	May 2014			June 2014			July 2014		
	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	1	1	0	0	0	0	0	0
10-20	0	47	47	0	26	26	0	37	37
5-10	1	209	210	1	329	330	0	226	226
1-5	65	1794	1859	66	1790	1856	35	1565	1600
1 or less	1053	5974	7027	1056	6768	7824	952	6941	7893
Total	1119	8025	9144	1123	8913	10036	987	8769	9756
Max. (mSv)	5.60	20.70	20.70	6.80	16.89	16.89	4.65	16.43	16.43
Ave.(mSv)	0.31	0.95	0.87	0.32	0.95	0.88	0.23	0.83	0.77

*The numbers of dose and workers are subject to change, due to replacement of APD data to monthly dose data measured by integral dosimeter and reflection of workers who wear integral dosimeter (example: 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 radiological works at the end of June (March 11, 2011 to June 30, 2014) and at the end of July (March 11, 2011 to July 31, 2014) is shown in Table 2. The exposure dose distributions at the end of June (April 2014 to June 2014) and at the end of July (April 2014 to July 2014) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-June 2014			March 2011-July2014			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	25	2	27	25	2	27	0	0	0
100-150	118	20	138	118	20	138	0	0	0
75-100	277	145	422	278	153	431	1	8	9
50-75	322	1052	1374	321	1075	1396	-1	23	22
20-50	613	4752	5365	615	4834	5449	2	82	84
10-20	563	4340	4903	567	4465	5032	4	125	129
5-10	463	4235	4698	463	4295	4758	0	60	60
1-5	740	7928	8668	749	8074	8823	9	146	155
1 or less	1099	9478	10577	1140	9812	10952	41	334	375
Total	4227	31954	36181	4283	32732	37015	56	778	834
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave.(mSv)	23.43	10.80	12.27	23.18	10.76	12.20	-	-	-

* The numbers of dose and workers are subject to change, due to replacement of APD data to monthly dose data measured by integral dosimeter and reflection of workers who wear integral dosimeter (example: workers who entered only the Main Anti-earthquake Building).

* There has been no significant internal radiation exposure reported since October 2011.

Table 3

Classification (mSv)	April 2014-June 2014			April 2014-July 2014			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	29	29	0	89	89	0	60	60
10-20	3	421	424	4	632	636	1	211	212
5-10	15	942	957	25	1153	1178	10	211	221
1-5	316	3558	3874	372	4048	4420	56	490	546
1 or less	953	5692	6645	991	5928	6919	38	236	274
Total	1287	10642	11929	1392	11850	13242	105	1208	1313
Max. (mSv)	12.40	39.82	39.82	15.24	39.82	39.82	-	-	-
Ave.(mSv)	0.87	2.20	2.06	0.97	2.59	2.42	-	-	-

* The numbers of dose and workers are subject to change, due to replacement of APD data to monthly dose data measured by integral dosimeter and reflection of workers who wear integral dosimeter (example: 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)	May 2014	June 2014	July 2014	March 2011- July 2014
Over 100	0	0	0	1
75-100	0	0	0	167
50-75	0	0	0	215
20-50	0	0	0	251
10-20	0	0	0	151
5-10	1	1	0	119
1-5	57	62	34	133
1 or less	560	558	544	54
Total	618	621	578	1091
Max. (mSv)	5.60	6.80	4.65	102.69
Ave.(mSv)	0.42	0.45	0.29	36.43

(58 workers out of 636 did not enter the site in July)

*1 Specific workers under high radiation dose

Regarding the workers that have the Emergency dose limit (100 mSv), shown in “Ordinance on Prevention of Ionizing Radiation Hazards, chapter 7”, applied; it specifically refers to the workers engaged in the work to maintain the function of the cooling reactor facility or spent fuel tank at an area where the radiation dose exceeds 0.1 mSv/h as well as the reactor facility, steam turbine, related facilities and surrounding area in the power plant or work to maintain function to control or prevent the release of huge amounts of radioactive material due to malfunction or breakage 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 specific workers under high radiation dose for each month. However, workers who are no longer the specific workers under high radiation dose are included in the figures from March 2011 to July 2014.

*3 The numbers of dose and workers are subject to change, due to the replacement of APD data to monthly dose data measured by integral dosimeter and reflection of workers who wear integral dosimeter (example: workers who entered only the Main Anti-earthquake Building).

*4 The number calculated for the maximum dose value (over 100 mSv) during the period between March 2011 and July 2014 is associated with the revision in July 2013 made to the internal radiation exposure in March 2011.

The End