

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)	June 2013			July 2013			August 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	7	7	0	8	8	0	19	19
5-10	6	88	94	1	104	105	2	122	124
1-5	87	1184	1271	96	1131	1227	102	1145	1247
1 or less	932	3724	4656	892	3740	4632	721	3696	4417
Total	1025	5003	6028	989	4983	5972	825	4982	5807
Max. (mSv)	7.40	17.50	17.50	5.50	14.68	14.68	5.94	15.00	15.00
Ave. (mSv)	0.42	0.87	0.79	0.43	0.88	0.81	0.42	0.91	0.84

* Numbers 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 emergency works at the end of July (March 11, 2011 to July 31, 2013) and at the end of August (March 11, 2011 to August 31, 2013) is shown in Table 2. The exposure dose distributions at the end of July (April 2013 to July 2013) and at the end of August (April 2013 to August 2013) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-July 2013			March 2011-August 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	24	2	26	24	2	26	0	0	0
100-150	118	20	138	118	20	138	0	0	0
75-100	242	91	333	246	95	341	4	4	8
50-75	308	673	981	307	699	1006	-1	26	25
20-50	611	3832	4443	613	3895	4508	2	63	65
10-20	527	3564	4091	531	3575	4106	4	11	15
5-10	419	3392	3811	417	3425	3842	-2	33	31
1-5	638	6409	7047	646	6523	7169	8	114	122
1 or less	966	7136	8102	971	7216	8187	5	80	85
Total	3860	25121	28981	3880	25452	29332	20	331	351
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.36	10.62	12.45	24.33	10.66	12.47	-	-	-

* Numbers 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.

* The accumulative exposure doses are fluctuated due to the reexamination of internal radiation exposure.

Table 3

Classification (mSv)	April 2013-July 2013			April 2013-August 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	35	35	2	59	61	2	24	26
10-20	16	308	324	25	461	486	9	153	162
5-10	47	776	823	69	972	1041	22	196	218
1-5	442	2600	3042	475	2805	3280	33	205	238
1 or less	776	3737	4513	753	3746	4499	-23	9	-14
Total	1281	7456	8737	1324	8043	9367	43	587	630
Max. (mSv)	18.40	32.02	32.02	22.18	37.05	37.05	-	-	-
Ave. (mSv)	1.43	2.38	2.24	1.64	2.77	2.61	-	-	-

* Numbers 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)	June 2013	July 2013	August 2013	March 2011- August 2013
Over 100	0	0	0	1
75-100	0	0	0	138
50-75	0	0	0	196
20-50	0	0	0	233
10-20	0	0	0	102
5-10	5	1	2	77
1-5	77	92	93	81
1 or less	387	476	408	38
Total	469	569	503	866
Max. (mSv)	7.40	5.50	5.94	102.69
Ave. (mSv)	0.63	0.60	0.53	39.87

(69 workers did not enter the site in August)

*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 July 2013.

*³ Numbers 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).

*⁴ A person who exposed the maximum dose rate (over 100mSv) in the figures from March 2011 to August 2013 has emerged due to the reexamination of internal radiation exposure in March 2011.

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