

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)	December 2013			January 2014			February 2014		
	TEPCO	Contactor	Total	TEPCO	Contactor	Total	TEPCO	Contactor	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	23	23	0	53	53	0	24	24
5-10	2	199	201	0	221	221	4	152	156
1-5	116	1627	1743	84	1505	1589	45	1547	1592
1 or less	968	3852	4820	997	4112	5109	879	4625	5504
Total	1086	5701	6787	1081	5891	6972	928	6348	7276
Max. (mSv)	5.40	16.81	16.81	4.50	15.80	15.80	5.99	16.70	16.70
Ave. (mSv)	0.44	1.13	1.02	0.37	1.16	1.04	0.30	0.96	0.88

*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 January (March 11, 2011 to January 31, 2014) and at the end of February (March 11, 2011 to February 28, 2014) is shown in Table 2. The exposure dose distributions at the end of January (April 2013 to January 2014) and at the end of February (April 2013 to February 2014) are shown in Table 3.

Table 2

Classification (mSv)	March 2011 – January 2014			March 2011 – February 2014			Fluctuation		
	TEPCO	Contactor	Total	TEPCO	Contactor	Total	TEPCO	Contactor	Total
Over 250	6	0	6	6	0	6	0	0	0
200-250	1	2	3	1	2	3	0	0	0
15-200	24	2	26	24	2	26	0	0	0
100-150	118	20	138	118	20	138	0	0	0
75-100	259	119	378	262	121	383	3	2	5
50-75	324	880	1204	322	910	1232	-2	30	28
20-50	610	4302	4912	613	4365	4978	3	63	66
10-20	545	3954	4499	545	4069	4614	0	115	115
5-10	432	3788	4220	438	3816	4254	6	28	34
1-5	722	6961	7683	724	7093	7817	2	132	134
1 or less	1061	7886	8947	1067	8028	9095	6	142	148
Total	4102	27914	32016	4120	28426	32546	18	512	530
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	23.63	11.00	12.61	23.59	11.01	12.61	-	-	-

* 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).

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

* The result of reexamining the internal exposure is not reflected, which has been made in response to the "Complete control of internal exposure at Fukushima Daiichi Nuclear Power Station" (Ref.no.:1, Ki-an-hatsu 0325) issued on March 25 2014, by the Ministry of Health, Labour and Welfare.

Table 3

Classification (mSv)	April 2013 – January 2014			April 2013 – February 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	25	471	496	26	542	568	1	71	72
10-20	63	1611	1674	75	1829	1904	12	218	230
5-10	175	1708	1883	188	1762	1950	13	54	67
1-5	665	3420	4085	663	3570	4233	-2	150	148
1 or less	712	4309	5021	718	4477	5195	6	168	174
Total	1640	11519	13159	1670	12180	13850	30	661	691
Max. (mSv)	37.00	40.04	40.03	38.77	40.03	40.03	-	-	-
Ave. (mSv)	2.88	5.02	4.76	3.00	5.25	4.98	-	-	-

* 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)	December 2013	January 2014	February 2014	March 2011 – February 2014
Over 100	0	0	0	1
75-100	0	0	0	153
50-75	0	0	0	213
20-50	0	0	0	237
10-20	0	0	0	127
5-10	2	0	1	96
1-5	106	77	40	131
1 or less	520	555	528	44
Total	628	632	569	1002
Max. (mSv)	5.40	4.50	5.36	102.69
Ave. (mSv)	0.60	0.50	0.33	37.40

(67 workers out of 636 did not enter the site in February)

*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 February 2014.

*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 February 2014 has emerged due to the reexamination of internal radiation exposure in March 2011.

*5 The result of reexamining the internal exposure is not reflected, which has been made in response to the “Complete control of internal exposure at Fukushima Daiichi Nuclear Power Station” (Ref.no.:1, Ki-an-hatsu 0325) issued on March 25 2014, by the Ministry of Health, Labour and Welfare.