

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)	January 2013			February 2013			March 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	8	8	0	34	34	1	24	25
5-10	3	113	116	2	239	241	11	306	317
1-5	93	1,222	1,315	104	1,351	1,455	126	1,613	1,739
1 or less	875	3,570	4,445	872	3,656	4,528	710	3,610	4,320
Total	971	4,913	5,884	978	5,280	6,258	848	5,553	6,401
Max. (mSv)	7.10	12.65	12.65	5.40	17.44	17.44	10.01	19.76	19.76
Ave. (mSv)	0.41	0.93	0.85	0.45	1.19	1.07	0.60	1.33	1.23

* 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 February (March 11, 2011 to February 28, 2013) and at the end of March (March 11, 2011 to March 31, 2013) is shown in Table 2. The exposure dose distributions at the end of February (April 2012 - February 2013) and at the end of March (April 2012 - March 2013) are shown in Table 3.

Table 2

Classification (mSv)	March 2011-February 2013			March 2011-March 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	231	69	300	236	66	305	5	0	5
50-75	300	492	792	298	516	814	-2	24	22
20-50	612	3,379	3,991	613	3,504	4,117	1	125	126
10-20	492	3,428	3,920	494	3,488	3,982	2	60	62

5-10	401	3,122	3,523	412	3,208	3,620	11	86	97
1-5	621	5,945	6,566	612	6,008	6,620	-9	63	54
1 or less	890	6,327	7,217	899	6,418	7,317	9	91	100
Total	3,693	22,783	26,476	3,710	23,232	26,942	17	449	466
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	24.70	10.16	12.19	24.72	10.28	12.27	-	-	-

* 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.

*As for FY 2010 and 2011, there was a small increase in the number of workers as a result of defining the operation classifications for workers engaged in operations inside and outside Fukushima Daiichi Nuclear Power Station.

Table 3

Classification (mSv)	April 2012-February 2013			April 2012-March 2013			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	1	0	1	1	0	1	0	0	0
20-50	54	438	492	62	567	629	8	129	137
10-20	116	1,595	1,711	129	1,778	1,907	13	183	196
5-10	244	1,733	1,977	261	1,837	2,098	17	104	121
1-5	600	3,224	3,824	578	3,274	3,852	-22	50	28
1 or less	572	4,067	4,639	581	4,153	4,734	9	86	95
Total	1,587	11,057	12,644	1,612	11,609	13,221	25	552	577
Max. (mSv)	51.90	41.45	51.90	53.97	41.45	53.97	-	-	-
Ave. (mSv)	4.21	5.05	4.94	4.46	5.44	5.32	-	-	-

* A TEPCO employee who is exposed to 50 - 75 mSv radiation is specific worker under high radiation dose

* 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)	January 2013	February 2013	March 2013	March 2011- March 2013
Over 100	0	0	0	0
75-100	0	0	0	117
50-75	0	0	0	176
20-50	0	0	0	184
10-20	0	0	0	53
5-10	3	2	5	53
1-5	87	98	116	37

1 or less	504	506	509	10
Total	594	606	630	630
Max. (mSv)	7.10	5.40	7.84	95.00
Ave. (mSv)	0.61	0.71	0.85	45.39

(195 workers did not enter the site in March.)

*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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