

Exposure Dose Distribution

1. External Exposure Dose of Radiation Workers at the Fukushima Daiichi Nuclear Power Station

Table 1 shows what levels of external radiation exposure the workers who were involved in radiation work at the Fukushima Daiichi Nuclear Power Station from April 2015 to June 2015 received.

Table 1

Dose Ranges (mSv)	April 2015			May 2015			June 2015		
	TEPCO's Employees	Contractors	Total	TEPCO's Employees	Contractors	Total	TEPCO's Employees	Contractors	Total
Above 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	20	20	0	4	4	0	3	3
5-10	0	248	248	0	97	97	0	148	148
1-5	66	2413	2479	42	1747	1789	55	1641	1696
1 or less	1100	7694	8794	1092	8100	9192	1006	8177	9183
Total	1166	10375	11541	1134	9948	11082	1061	9969	11030
Max. (mSv)	4.80	15.60	15.60	2.12	11.40	11.40	3.54	11.21	11.21
Ave. (mSv)	0.27	0.93	0.86	0.20	0.66	0.61	0.22	0.64	0.60

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are times when APD data are replaced with monthly dose data measured by integral dosimeters. Or dose data of workers who wore only an integral dosimeter (ex., workers who entered only the Main Anti-earthquake Building) need to be updated in the table after the publication of the data.

2. External and Internal Exposure Doses of Radiation Workers at the Fukushima Daiichi Nuclear Power Station

Table 2 shows what levels of both external and internal radiation exposure the workers who were involved in radiation work at the Fukushima Daiichi Nuclear Power Station received during the two different periods of time, from March 11, 2011 to May 31, 2015 and from March 11, 2011 to June 30, 2015, comparing the data figures of the two periods to indicate whether they increased, decreased or were the same. Table 3 lists data on the radiation exposure dose of the workers engaged in radiation work in a similar way to Table 2. In Table 3, however, the data are those of April to May in 2015 and those of April to June in 2015, and the comparison of the data figures is made between those of the two periods just mentioned.

Table 2

Dose Ranges (mSv)	March 2011 - May 2015			March 2011 - June 2015			Difference		
	TEPCO's Employees	Contractors	Total	TEPCO's Employees	Contractors	Total	TEPCO's Employees	Contractors	Total
Above 250	6	0	6	6	0	6	0	0	0
200-250	1	2	3	1	2	3	0	0	0
150-200	26	2	28	26	2	28	0	0	0
100-150	117	20	137	117	20	137	0	0	0
75-100	298	206	504	301	214	515	3	8	11
50-75	333	1433	1766	331	1476	1807	-2	43	41
20-50	620	5966	6586	627	6021	6648	7	55	62
10-20	603	5464	6067	601	5499	6100	-2	35	33
5-10	492	5093	5585	498	5134	5632	6	41	47
1-5	840	9142	9982	836	9238	10074	-4	96	92
1 or less	1149	11788	12937	1147	11924	13071	-2	136	134
Total	4485	39116	43601	4491	39530	44021	6	414	420
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	22.99	11.21	12.42	23.01	11.25	12.45	-	-	-

- The values of the exposure dose and the number of the workers in the table above are subject to change, because there are times when APD data are replaced with monthly dose data measured by integral dosimeters. Or dose data of workers who wore only an integral dosimeter (ex., workers who entered only the Main Anti-earthquake Building) need to be updated in the table after the publication of the data.
- There has been no significant internal radiation exposure reported since October 2011.

Table 3

Dose Ranges (mSv)	April 2015 - May 2015			April 2015 - June 2015			Difference		
	TEPCO's Employees	Contractors	Total	TEPCO's Employees	Contractors	Total	TEPCO's Employees	Contractors	Total
Above 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	6	6	0	5	5
10-20	0	104	104	0	318	318	0	214	214
5-10	3	755	758	13	1052	1065	10	297	307
1-5	145	3101	3246	214	3684	3898	69	583	652
1 or less	1083	7433	8516	1058	7233	8291	-25	-200	-225
Total	1231	11394	12625	1285	12293	13578	54	899	953
Max. (mSv)	6.60	21.71	21.71	8.52	28.94	28.94	-	-	-
Ave. (mSv)	0.44	1.42	1.33	0.61	1.84	1.72	-	-	-

- The values of the exposure dose and the number of the workers in the table above are subject to change, because there are times when APD data are replaced with monthly dose data measured by integral dosimeters. Or dose data of workers who wore only an integral dosimeter (ex., workers who entered only the Main Anti-earthquake Building) need to be updated in the table after the publication of the data.

3. External and Internal Exposure Doses of “Workers Exposed to Especially High Radiation”

Table 4 shows what levels of both external and internal radiation exposure “workers exposed to especially high radiation”^{*1} received.^{*2}

Table 4

Dose Ranges (mSv)	April 2015	May 2015	June 2015	March 2011 - June 2015
Above 100	0	0	0	1
75-100	0	0	0	187
50-75	0	0	0	229
20-50	0	0	0	258
10-20	0	0	0	176
5-10	0	0	0	131
1-5	57	35	49	140
1 or less	549	561	534	26
Total	606	596	583	1148
Max. (mSv)	4.80	2.12	3.54	102.69
Ave. (mSv)	0.39	0.28	0.30	37.35

(The number of “workers exposed to especially high radiation” in June 2015 was 607, and 24 among them did not work at the site.)

1. “Workers exposed to especially high radiation” means workers who are involved in operations in which they could be exposed to the emergency dose limit (100mSv), which is stipulated in “Ordinance on Prevention of Ionizing Radiation Hazards, chapter 7.” In more detail, they are workers engaged in the work to maintain the function of the reactor facility or the cooling facility to cool down the spent fuel tank in the reactor facility, the steam turbine and its related facilities or the surrounding area where the radiation doses exceed 0.1mSv/h. Or they are workers who would engage in keeping running the function to control or prevent the release of a large number of radioactive materials should it be likely to occur due to malfunction or damage of the reactor facility.

So far workers who have worked as “workers exposed to especially high radiation” are all TEPCO’s employees.

2. The number of “workers exposed to especially high radiation” each month is the number of the workers who applied to work as such workers in a given month and were engaged in that work. The figures in the cumulative data during the period from March 2011 to June 2015

in Table 4 above include the number of workers who used to be “workers exposed to especially high radiation” as well.

- The values of the exposure dose and the number of the workers in the table above are subject to change, because there are times when APD data are replaced with monthly dose data measured by integral dosimeters. Or the dose data of workers who wore only an integral dosimeter (ex., workers who entered only the Main Anti-earthquake Building) need to be updated in the table after the publication of the data.

- The figure shown in the dose range ,“Above 100mSv,” in the cumulative data during the period from March 2011 to June 2015 is the figure when the March 2011 data of the internal exposure dose were reexamined in July 2013.