

## 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 May 2015 to July 2015 received.

**Table 1**

Dose Ranges (mSv)	May 2015			June 2015			July 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	4	4	0	12	12	0	5	5
5-10	0	97	97	0	167	167	0	99	99
1-5	42	1747	1789	64	1737	1801	48	1594	1642
1 or less	1092	8100	9192	1128	8185	9313	973	8079	9052
Total	1134	9948	11082	1192	10101	11293	1021	9777	10798
Max. (mSv)	2.12	11.40	11.40	3.90	11.50	11.50	4.64	10.72	10.72
Ave. (mSv)	0.20	0.66	0.61	0.25	0.72	0.67	0.21	0.60	0.56

• 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 June 30, 2015 and from March 11, 2011 to July 31, 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 June in 2015 and those of April to July 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 - June 2015			March 2011 - July 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	301	215	516	301	219	520	0	4	4
50-75	331	1479	1810	335	1514	1849	4	35	39
20-50	627	6028	6655	627	6100	6727	0	72	72
10-20	605	5504	6109	605	5521	6126	0	17	17
5-10	494	5141	5635	496	5199	5695	2	58	60
1-5	836	9232	10068	837	9261	10098	1	29	30
1 or less	1148	11909	13057	1227	12115	13342	79	206	285
Total	4492	39532	44024	4578	39953	44531	86	421	507
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	23.02	11.28	12.47	22.64	11.30	12.47	-	-	-

- 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 - June 2015			April 2015 - July 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	8	8	0	57	57	0	49	49
10-20	0	346	346	2	494	496	2	148	150
5-10	13	1070	1083	25	1344	1369	12	274	286
1-5	221	3709	3930	257	3994	4251	36	285	321
1 or less	1075	7178	8253	1150	7103	8253	75	-75	0
Total	1309	12311	13620	1434	12992	14426	125	681	806
Max. (mSv)	8.92	29.80	29.80	11.46	33.44	33.44	-	-	-
Ave. (mSv)	0.65	1.91	1.79	0.74	2.26	2.11	-	-	-

- 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”<sup>\*1</sup> received.<sup>\*2</sup>

**Table 4**

Dose Ranges (mSv)	May 2015	June 2015	July 2015	March 2011 - July 2015
Above 100	0	0	0	1
75-100	0	0	0	187
50-75	0	0	0	235
20-50	0	0	0	262
10-20	0	0	0	182
5-10	0	0	0	130
1-5	35	55	41	143
1 or less	561	548	507	61
Total	596	603	548	1201
Max. (mSv)	2.12	3.90	4.64	102.69
Ave. (mSv)	0.28	0.37	0.29	36.15

(The number of “workers exposed to especially high radiation” in July 2015 was 592, and 44 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 July 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 July 2015 is the figure when the March 2011 data of the internal exposure dose were reexamined in July 2013.