

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 March 2015 to May 2015 received.

Table 1

Dose Ranges (mSv)	March 2015			April 2015			May 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	118	118	0	20	20	0	0	0
5-10	3	555	558	0	248	248	0	78	78
1-5	79	2464	2543	65	2413	2478	38	1645	1683
1or less	1060	8034	9094	1101	7694	8795	936	8094	9030
Total	1142	11171	12313	1166	10375	11541	974	9817	10791
Max. (mSv)	6.40	19.90	19.90	4.80	15.60	15.60	2.12	9.92	9.92
Ave. (mSv)	0.32	1.22	1.13	0.27	0.93	0.86	0.19	0.59	0.55

• 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 April 30, 2015 and from March 11, 2011 to May 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 April and May 2015, showing the difference of the data figures of the two months on the right "Difference" column.

Table 2

Dose Ranges (mSv)	March 2011 - April 2015			March 2011 - May 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	295	204	499	298	206	504	3	2	5
50-75	333	1400	1733	332	1431	1763	-1	31	30
20-50	621	5851	6472	621	5948	6569	0	97	97
10-20	597	5452	6049	601	5470	6071	4	18	22
5-10	495	5084	5579	493	5095	5588	-2	11	9
1-5	836	9076	9912	837	9146	9983	1	70	71
1or less	1149	11624	12773	1154	11795	12949	5	171	176
Total	4476	38715	43191	4486	39115	43601	10	400	410
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	22.98	11.16	12.38	22.97	11.19	12.40	-	-	-

• 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			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	0	0	0	1	1	0	1	1
10-20	0	20	20	0	94	94	0	74	74
5-10	0	248	248	3	715	718	3	467	470
1-5	65	2413	2478	141	3076	3217	76	663	739
1 or less	1101	7694	8795	1070	7475	8545	-31	-219	-250
Total	1166	10375	11541	1214	11361	12575	48	986	1034
Max. (mSv)	4.80	15.60	15.60	6.53	21.07	21.07	-	-	-
Ave. (mSv)	0.27	0.93	0.86	0.41	1.36	1.27	-	-	-

• 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)	March 2015	April 2015	May 2015	March 2011 - May 2015
Above 100	0	0	0	1
75-100	0	0	0	185
50-75	0	0	0	229
20-50	0	0	0	252
10-20	0	0	0	177
5-10	3	0	0	129
1-5	71	56	32	143
1 or less	541	550	517	29
Total	615	606	549	1145
Max. (mSv)	6.40	4.80	2.12	102.69
Ave. (mSv)	0.47	0.39	0.23	37.23

(The number of “workers exposed to especially high radiation” in May 2015 was 605, and 56 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 May 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 May 2015 is the figure when the March 2011 data of the internal exposure dose were reexamined in July 2013.