

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 December 2014 to February 2015 received.

Table 1

Dose Ranges (mSv)	December 2014			January 2015			February 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	34	34	0	1	1	0	32	32
5-10	0	283	283	0	56	56	6	234	240
1-5	60	1912	1972	37	1513	1550	65	2224	2289
1 or less	1099	8240	9339	1111	8512	9623	976	8077	9053
Total	1159	10469	11628	1148	10082	11230	1047	10567	11614
Max. (mSv)	4.30	16.74	16.74	4.20	12.80	12.80	7.58	16.70	16.70
Ave. (mSv)	0.24	0.85	0.79	0.22	0.56	0.53	0.30	0.86	0.81

• 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 January 31, 2015 and from March 11, 2011 to February 28, 2015, comparing the 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 2014 to January 2015 and those of April 2014 to February 2015, and the comparison of the figures of the data is made between those of the two periods just mentioned.

Table 2

Dose Ranges (mSv)	March 2011 - January 2015			March 2011 - February 2015			Fluctuation		
	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	290	176	466	291	181	472	1	5	6
50-75	330	1286	1616	330	1324	1654	0	38	38
20-50	617	5440	6057	618	5548	6166	1	108	109
10-20	581	4985	5566	588	5045	5633	7	60	67
5-10	493	4722	5215	496	4925	5421	3	203	206
1-5	811	8882	9693	818	9164	9982	7	282	289
1 or less	1138	11310	12448	1129	11374	12503	-9	64	55
Total	4410	36825	41235	4420	37585	42005	10	760	770
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	23.08	10.83	12.14	23.10	10.86	12.14	-	-	-

- 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 2014 - January 2015			April 2014 - February 2015			Fluctuation		
	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	6	697	703	9	818	827	3	121	124
10-20	20	1788	1808	35	2036	2071	15	248	263
5-10	151	2463	2614	160	2664	2824	9	201	210
1-5	583	5136	5719	601	5439	6040	18	303	321
1 or less	893	7270	8163	865	7321	8186	-28	51	23
Total	1653	17354	19007	1670	18278	19948	17	924	941
Max. (mSv)	25.70	39.85	39.85	28.20	39.85	39.85	-	-	-
Ave. (mSv)	1.89	4.45	4.23	2.06	4.73	4.50	-	-	-

- 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)	December 2014	January 2015	February 2015	March 2011 - February 2015
Above 100	0	0	0	1
75-100	0	0	0	179
50-75	0	0	0	225
20-50	0	0	0	250
10-20	0	0	0	167
5-10	0	0	0	135
1-5	57	34	58	145
1 or less	570	583	519	32
Total	627	617	577	1134
Max. (mSv)	4.30	4.20	3.23	102.69
Ave. (mSv)	0.35	0.31	0.34	36.87

(The number of “workers exposed to especially high radiation” in February 2015 was 620, and 43 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 and were engaged in that work. The figures in the cumulative data during the period from March 2011 to February 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 February 2015 is the figure when the March 2011 data of the internal exposure dose were reexamined in July 2013.