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 October 2014 to December 2014 received.

Table 1

Dose Ranges (mSv)	October 2014			November 2014			December 2014		
	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	18	18	0	19	19	0	21	21
5-10	0	234	234	0	269	269	0	245	245
1-5	62	1766	1828	45	1644	1689	49	1870	1919
1or less	1112	7935	9047	1141	8179	9320	982	7950	8932
Total	1174	9953	11127	1186	10111	11297	1031	10086	11117
Max. (mSv)	2.70	14.92	14.92	3.00	15.92	15.92	3.91	15.41	15.41
Ave. (mSv)	0.29	0.80	0.75	0.21	0.78	0.72	0.23	0.80	0.75

[•] 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 November 30, 2014 and form March 11, 2011 to December 31, 2014, comparing the figures of the two periods to indicate whether they increased, decreased or were the same. Table 3 lists data on the exposure doses 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 November 2014 and those of April to December 2014, and the comparison of the figures of the data is made between those of the two periods just mentioned.

Table 2

	March 2011 - November 2014			March 2011 - December 2014			Fluctuation		
Dose Ranges (mSv)	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	287	169	456	290	175	465	3	6	9
50-75	325	1220	1545	327	1253	1580	2	33	35
20-50	621	5238	5859	618	5342	5960	-3	104	101
10-20	579	4864	5443	581	4958	5539	2	94	96
5-10	483	4587	5070	487	4667	5154	4	80	84
1-5	805	8557	9362	807	8734	9541	2	177	179
1 or less	1113	10922	12035	1132	11024	12156	19	102	121
Total	4363	35581	39944	4392	36177	40569	29	596	625
Max. (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Ave. (mSv)	23.21	10.80	12.16	23.11	10.85	12.17	-	-	-

- 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 - November 2014			April 2014 - December 2014			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	2	484	486	5	604	609	3	120	123
10-20	16	1438	1454	17	1651	1668	1	213	214
5-10	115	2162	2277	130	2340	2470	15	178	193
1-5	546	4824	5370	573	5015	5588	27	191	218
1 or less	905	6875	7780	898	6954	7852	-7	79	72
Total	1584	15783	17367	1623	16564	18187	39	781	820
Max. (mSv)	23.25	39.85	39.85	24.18	39.85	39.85	-	-	-
Ave. (mSv)	1.64	3.97	3.76	1.74	4.27	4.05	-	-	-

[•] 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"* received.* 2

Table 4

Dose Ranges (mSv)	October 2014	November 2014	December 2014	March 2011 - December 2014
Above 100	0	0	0	1
75-100	0	0	0	178
50-75	0	0	0	222
20-50	0	0	0	250
10-20	0	0	0	162
5-10	0	0	0	126
1-5	61	44	46	151
1 or less	562	579	539	39
Total	623	623	585	1129
Max. (mSv)	2.70	3.00	3.91	102.69
Ave. (mSv)	0.41	0.31	0.30	36.57

(The number of "workers exposed to particularly high radiation" in December was 631, and 46 among them did not work at the site.)

1. "Workers exposed to particularly 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. To work as "workers exposed to particularly high radiation," they applied each month as such. The figures in the cumulative data during the period from March 2011 to December 2014 in Table 4 above include the number of workers who used to be "workers exposed to particularly

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 December 2014 is the one when the March 2011 data of the internal exposure dose were reexamined in July 2013.