

Evaluation of the exposure dose of workers engaged in radiation work at  
the Fukushima Daiichi Nuclear Power Station

April 24, 2019

Tokyo Electric Power Company Holdings, Inc.  
Fukushima Daiichi D & D Engineering Company

TEPCO has been evaluating the exposure dose of workers who engaged in radiation work at the Fukushima Daiichi Nuclear Power Station under two types, internal and external exposure to radiation, and has submitted the evaluation results to the Ministry of Health, Labour and Welfare regularly.

TEPCO today submitted to the Ministry of Health, Labour and Welfare a report on the exposure dose evaluation the data of which are those we collected until the end of March 2019. Here is part of the report: the maximum value of the exposure dose among the workers who engaged in the work at the power station in March was 11.81mSv, and regarding the internal exposure dose, no significant value was measured.

## Exposure Dose Distribution

### 1. Effective Dose from External Exposure

Table 1 shows the distribution of external exposure dose of workers who were involved in radiation work at the Fukushima Daiichi Nuclear Power Station for the past three month.

**Table 1. External Exposure Dose**

Dose Ranges (mSv)	January 2019			February 2019			March 2019		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO 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	0	0	0	2	2	0	3	3
5-10	0	37	37	1	58	59	1	28	29
1-5	16	511	527	28	676	704	34	600	634
1 or less	944	5569	6513	974	5575	6549	919	5539	6458
Total	960	6117	7077	1003	6311	7314	954	6170	7124
Maximum (mSv)	2.32	7.81	7.81	5.38	12.60	12.60	5.70	11.81	11.81
Average (mSv)	0.10	0.36	0.32	0.15	0.44	0.40	0.17	0.37	0.34

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

### 2. Sum of External and Internal Exposure Dose (Effective Dose)

Table 2 shows the distribution of cumulative exposure dose of workers who are involved in radiation work at Fukushima Daiichi for five years, starting on April 1, 2016. Table 3 shows the distribution of cumulative exposure dose in the fiscal year of 2018. Two different periods of time are shown in the Table 2: from April 1, 2016 to February 28, 2019 and from April 1, 2016 to March 31, 2019, and Table 3: from April 1, 2018 to February 28, 2019 and from April 1, 2018 to March 31, 2019 for comparison.

**Table 2. Cumulative Exposure Dose for Five Years**

Dose Ranges (mSv)	April 2016 - February 2019			April 2016 - March 2019			Difference		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total
Above 100	0	0	0	0	0	0	0	0	0
75-100	0	6	6	0	6	6	0	0	0
50-75	0	70	70	0	80	80	0	10	10
20-50	33	1348	1381	35	1377	1412	2	29	31
10-20	124	2041	2165	129	2069	2198	5	28	33
5-10	172	2157	2329	172	2179	2351	0	22	22
1-5	530	4443	4973	539	4454	4993	9	11	20
1 or less	1247	8491	9738	1233	8510	9743	-14	19	5
Total	2106	18556	20662	2108	18675	20783	2	119	121
Maximum (mSv)	34.21	79.90	79.90	35.20	79.90	79.90	-	-	-
Average (mSv)	2.48	5.57	5.25	2.56	5.65	5.34	-	-	-

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

• No significant internal exposure has been reported since October 2011.

**Table 3. Cumulative Exposure Dose in the Fiscal Year of 2018**

Dose Ranges (mSv)	April 2018 - February 2019			April 2018 - March 2019			Difference		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO 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	13	752	765	21	855	876	8	103	111
5-10	64	822	886	70	869	939	6	47	53
1-5	245	2763	3008	252	2824	3076	7	61	68
1 or less	1117	5334	6451	1100	5315	6415	-17	-19	-36
Total	1439	9671	11110	1443	9863	11306	4	192	196
Maximum (mSv)	13.41	19.90	19.90	15.52	19.90	19.90	-	-	-
Average (mSv)	0.93	2.45	2.26	1.04	2.64	2.43	-	-	-

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

### 3. Sum of External and Internal Exposure Dose of Workers Exposed to Especially High Radiation (Effective Dose)

Table 4 shows the distribution of cumulative exposure dose of workers exposed to especially high radiation.\*1

**Table 4. Cumulative Exposure Dose (workers exposed to especially high radiation)**

Dose Ranges (mSv)	March 2011 - September 2015
Above 100	1
75-100	191
50-75	233
20-50	267
10-20	186
5-10	129
1-5	145
1 or less	51
Total	1203
Maximum (mSv)	102.69
Average (mSv)	36.49

(Since October 2015, TEPCO Holdings has opted not to report to the Labour Standards Inspection Office about workers exposed to especially high radiation.)

\*1. Workers exposed to especially high radiation means workers who are involved in operations in which they could be exposed to the emergency exposure 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 cooling facility to cool down the reactor facility or 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 employees.

\*2. The number of "workers exposed to especially high radiation" each month is the number of the workers who reported working 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 September

2015 in Table 4 above include the numbers of workers who have been reported to work as “workers exposed to especially high radiation” at least once.

\*3. The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

\*4. The figure shown in the dose range, “Above 100mSv,” in the cumulative data during the period from March 2011 to September 2015 is the figure when the March 2011 data of the internal exposure dose were reevaluated in July 2013.

#### 4. Equivalent Dose

Table 5 and Table 6 show equivalent dose to the skin and the lens of the eyes of the workers, respectively, who were involved in radiation work at the Fukushima Daiichi Nuclear Power Station for the past three months.

**Table 5. Equivalent Dose to the Skin**

Dose Ranges (mSv)	January 2019			February 2019			March 2019		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total
Above 500	0	0	0	0	0	0	0	0	0
300-500	0	0	0	0	0	0	0	0	0
250-300	0	0	0	0	0	0	0	0	0
200-250	0	0	0	0	0	0	0	0	0
150-200	0	0	0	0	0	0	0	0	0
100-150	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	3	3	0	0	0
10-20	0	7	7	0	16	16	0	3	3
5-10	0	76	76	1	106	107	1	32	33
1-5	16	614	630	35	825	860	34	696	730
1 or less	944	5420	6364	967	5361	6328	919	5439	6358
Total	960	6117	7077	1003	6311	7314	954	6170	7124
Maximum (mSv)	2.32	14.80	14.80	5.38	33.30	33.30	5.70	11.81	11.81
Average (mSv)	0.11	0.47	0.42	0.16	0.60	0.54	0.17	0.41	0.38

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

• Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the skin is 500mSv/year (the emergency exposure dose limit is 1Sv).

• Equivalent dose to the skin is measured at a depth of 70 micrometers from the skin surface. When the equivalent dose is measured with a dosimeter other than the one put on around the chest and the abdomen, for example, a finger dosimeter, the maximum measurement value is counted as the equivalent dose.

**Table 6. Equivalent Dose to the Lens of the Eyes (Including inside of full-face mask)**

Dose Ranges (mSv)	January 2019			February 2019			March 2019		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total
Above 150	0	0	0	0	0	0	0	0	0
100-150	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	0	0	0	2	2	0	3	3
5-10	0	51	51	1	67	68	1	32	33
1-5	16	542	558	34	736	770	34	696	730
1 or less	944	5524	6468	968	5506	6474	919	5439	6358
Total	960	6117	7077	1003	6311	7314	954	6170	7124
Maximum (mSv)	2.32	9.40	9.40	5.38	14.40	14.40	5.70	11.81	11.81
Average (mSv)	0.10	0.39	0.35	0.15	0.48	0.43	0.17	0.41	0.38

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

• Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the lens of the eye is 150mSv/year (the emergency exposure dose limit is 300mSv).

• The equivalent dose to the lens of the eyes is measured at an appropriate depth of 1 centimeter or 70 micrometers from the skin surface using one of the following method:

- ① The case of using dosimeter put inside full face mask
- ② The case of using dosimeter put around the chest, the abdomen or the head and neck ( excluding the case of ① )

## 5. Cumulative Equivalent Dose

Table 7 and Table 8 show the distribution of cumulative equivalent dose to the skins and the lens of the eyes of the workers, respectively, who were involved in radiation work at the Fukushima Daiichi Nuclear Power Station during two different periods of time, from April 1, 2018 to February 28, 2019 and from April 1, 2018 to March 31, 2019 for comparison.

**Table 7. Equivalent Dose to the Skin**

Dose Ranges (mSv)	April 2018 - February 2019			April 2018 - March 2019			Difference		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total
Above 500	0	0	0	0	0	0	0	0	0
300-500	0	0	0	0	0	0	0	0	0
250-300	0	0	0	0	0	0	0	0	0
200-250	0	0	0	0	0	0	0	0	0
150-200	0	0	0	0	0	0	0	0	0
100-150	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	240	240	0	280	280	0	40	40
10-20	16	902	918	23	958	981	7	56	63
5-10	72	900	972	76	940	1016	4	40	44
1-5	242	2613	2855	251	2665	2916	9	52	61
1 or less	1109	5016	6125	1093	5020	6113	-16	4	-12
Total	1439	9671	11110	1443	9863	11306	4	192	196
Maximum (mSv)	14.01	46.60	46.60	16.12	46.63	46.63	-	-	-
Average (mSv)	0.99	3.36	3.05	1.10	3.55	3.24	-	-	-

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

• Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the skin is 500mSv/year (the emergency exposure dose limit is 1Sv).

• Equivalent dose to the skin is measured at a depth of 70 micrometers from the skin surface. When the equivalent dose is measured with a dosimeter other than the one put on around the chest and the abdomen, for example, a finger dosimeter, the maximum measurement value is counted as the equivalent dose.

**Table 8. Equivalent Dose to the Lens of the Eyes (Including inside of full-face mask)**

Dose Ranges (mSv)	April 2018 - February 2019			April 2018 - March 2019			Difference		
	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total	TEPCO Employees	Contractors	Total
Above 150	0	0	0	0	0	0	0	0	0
100-150	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	27	27	0	46	46	0	19	19
10-20	14	809	823	23	888	911	9	79	88
5-10	68	896	964	70	963	1033	2	67	69
1-5	246	2756	3002	256	2805	3061	10	49	59
1 or less	1111	5183	6294	1094	5161	6255	-17	-22	-39
Total	1439	9671	11110	1443	9863	11306	4	192	196
Maximum (mSv)	13.85	24.03	24.03	15.73	26.32	26.32	-	-	-
Average (mSv)	0.96	2.69	2.46	1.07	2.89	2.66	-	-	-

• The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

• Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the lens of eyes is 150mSv/year (the emergency exposure dose limit is 300mSv).

• The equivalent dose to the lens of the eyes is measured at an appropriate depth of 1 centimeter or 70 micrometers from the skin surface using one of the following method:

- ① The case of using dosimeter put inside full face mask
- ② The case of using dosimeter put around the chest, the abdomen or the head and neck ( excluding the case of ① )

(Aggregation period: April 1, 2016 - March 31, 2019)

**Table 9. Exposure Dose Data by Age**

18-19 years old

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
1-5	6	4	10
1 or less	2	9	11
Total	8	13	21
Maximum dose	3.16	3.35	3.35
Average dose	1.66	0.85	1.16

20-29 years old

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	1	1
50-75	0	5	5
20-50	16	105	121
10-20	38	191	229
5-10	49	216	265
1-5	72	402	474
1 or less	92	753	845
Total	267	1673	1940
Maximum dose	29.53	75.50	75.50
Average dose	5.53	5.36	5.38

30-39 years old

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	0	0
50-75	0	15	15
20-50	10	324	334
10-20	40	458	498
5-10	35	391	426
1-5	104	813	917
1 or less	204	1306	1510
Total	393	3307	3700
Maximum dose	35.20	73.32	73.32
Average dose	3.39	6.79	6.43

40-49 years old

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	3	3
50-75	0	33	33
20-50	5	413	418
10-20	32	619	651
5-10	45	632	677
1-5	151	1229	1380
1 or less	364	2352	2716
Total	597	5281	5878
Maximum dose	26.53	79.90	79.90
Average dose	2.18	6.08	5.69

## 50-59 years old

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	2	2
50-75	0	17	17
20-50	4	370	374
10-20	14	554	568
5-10	38	610	648
1-5	183	1283	1466
1 or less	482	2482	2964
Total	721	5318	6039
Maximum dose	33.95	78.54	78.54
Average dose	1.52	5.36	4.91

## 60-69 years old

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	0	0
50-75	0	9	9
20-50	0	157	157
10-20	5	238	243
5-10	5	319	324
1-5	23	685	708
1 or less	86	1508	1594
Total	119	2916	3035
Maximum dose	18.06	64.77	64.77
Average dose	1.40	4.41	4.29

## 70 years old and over

Dose ranges (mSv)	TEPCO's employees	Contractors	Total
Above 100	0	0	0
75-100	0	0	0
50-75	0	1	1
20-50	0	8	8
10-20	0	9	9
5-10	0	11	11
1-5	0	38	38
1 or less	3	100	103
Total	3	167	170
Maximum dose	0.32	52.64	52.64
Average dose	0.16	3.63	3.57

## Number of workers by age

Age ranges (years old)	TEPCO's employees	Contractors	Total
18-19 years old	8	13	21
20-29 years old	267	1673	1940
30-39 years old	393	3307	3700
40-49 years old	597	5281	5878
50-59 years old	721	5318	6039
60-69 years old	119	2916	3035
70 years old and over	3	167	170
Total	2108	18675	20783
Maximum dose (mSv)	35.20	79.90	79.90
Average dose (mSv)	2.56	5.65	5.34

## Note)

•The ages above are as of March 31, 2019.

•The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.



**Table 10. Monthly Exposure Dose Data**

Year and month	TEPCO/ Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201103	TEPCO	40	66	239	529	539	119	77	65	16		6	1696	670.36	31.53
	Contractors	402	525	397	461	372	65	34	17	2	2		2277	238.42	14.18
	Total	442	591	636	990	911	184	111	82	18	2	6	3973	670.36	21.59
201104	TEPCO	228	323	857	186	62	1						1657	59.60	6.66
	Contractors	1550	1467	625	433	128							4203	49.61	4.35
	Total	1778	1790	1482	619	190	1						5860	59.60	5.00
201105	TEPCO	437	782	171	73	14							1477	33.42	3.14
	Contractors	2221	2367	809	349	80							5826	48.80	3.37
	Total	2658	3149	980	422	94							7303	48.80	3.32
201106	TEPCO	513	723	85	30								1351	16.29	2.12
	Contractors	2560	2651	772	351	65	1	1					6401	89.50	3.08
	Total	3073	3374	857	381	65	1	1					7752	89.50	2.91
201107	TEPCO	653	625	53	17	3							1351	31.13	1.69
	Contractors	2934	2759	587	200	38	3						6521	61.97	2.43
	Total	3587	3384	640	217	41	3						7872	61.97	2.30
201108	TEPCO	543	666	57	19	1							1286	23.33	1.72
	Contractors	2826	2731	485	162	24	2						6230	66.50	2.20
	Total	3369	3397	542	181	25	2						7516	66.50	2.12
201109	TEPCO	534	633	38	2								1207	11.35	1.45
	Contractors	2856	2582	399	140	23							6000	33.40	2.01
	Total	3390	3215	437	142	23							7207	33.40	1.92
201110	TEPCO	564	552	45	15	3							1179	36.35	1.57
	Contractors	2823	2352	337	103	8							5623	23.50	1.84
	Total	3387	2904	382	118	11							6802	36.35	1.80
201111	TEPCO	853	280	37	10								1180	13.40	1.07
	Contractors	3354	1911	228	82	5							5580	23.03	1.46
	Total	4207	2191	265	92	5							6760	23.03	1.39
201112	TEPCO	868	282	26	13	3							1192	23.20	1.10
	Contractors	3345	1729	258	76								5408	19.20	1.43
	Total	4213	2011	284	89	3							6600	23.20	1.37
201201	TEPCO	761	284	37	13								1095	17.00	1.19
	Contractors	3236	1435	203	72	1							4947	21.90	1.36
	Total	3997	1719	240	85	1							6042	21.90	1.33
201202	TEPCO	845	231	25	8								1109	17.63	0.91
	Contractors	2940	1584	221	100	2							4847	20.91	1.51
	Total	3785	1815	246	108	2							5956	20.91	1.40
201203	TEPCO	874	220	23	2								1119	12.10	0.83
	Contractors	3029	1465	206	53	3							4756	21.83	1.36
	Total	3903	1685	229	55	3							5875	21.83	1.26
201204	TEPCO	870	179	19	3								1071	13.00	0.75
	Contractors	2835	1305	151	75	3							4369	23.90	1.30
	Total	3705	1484	170	78	3							5440	23.90	1.19

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201205	TEPCO	854	177	10	1								1042	10.20	0.66
	Contractors	2898	1406	246	49								4599	18.22	1.41
	Total	3752	1583	256	50								5641	18.22	1.28
201206	TEPCO	829	162	20	3								1014	12.10	0.78
	Contractors	3086	1652	220	29								4987	14.94	1.29
	Total	3915	1814	240	32								6001	14.94	1.21
201207	TEPCO	854	150	9									1013	6.60	0.62
	Contractors	3065	1621	222	38								4946	17.33	1.34
	Total	3919	1771	231	38								5959	17.33	1.21
201208	TEPCO	835	144	7									986	7.20	0.62
	Contractors	3299	1341	120	4								4764	11.64	1.04
	Total	4134	1485	127	4								5750	11.64	0.97
201209	TEPCO	850	123	9									982	8.20	0.57
	Contractors	3272	1274	163	29	1							4739	20.50	1.15
	Total	4122	1397	172	29	1							5721	20.50	1.05
201210	TEPCO	826	145	7									978	6.30	0.61
	Contractors	3307	1325	136	31								4799	16.00	1.11
	Total	4133	1470	143	31								5777	16.00	1.03
201211	TEPCO	812	149	7									968	9.50	0.61
	Contractors	3306	1222	145	27								4700	18.70	1.09
	Total	4118	1371	152	27								5668	18.70	1.01
201212	TEPCO	846	149	10									1005	7.50	0.58
	Contractors	3489	1363	180	10								5042	15.00	1.10
	Total	4335	1512	190	10								6047	15.00	1.01
201301	TEPCO	870	96	3									969	7.39	0.42
	Contractors	3768	1310	115	7								5200	12.90	0.96
	Total	4638	1406	118	7								6169	12.90	0.88
201302	TEPCO	870	105	2									977	5.43	0.45
	Contractors	3917	1415	263	35								5630	18.50	1.21
	Total	4787	1520	265	35								6607	18.50	1.09
201303	TEPCO	845	140	10	2								997	11.03	0.60
	Contractors	3908	1706	335	35								5984	19.30	1.35
	Total	4753	1846	345	37								6981	19.30	1.24
201304	TEPCO	948	108	4									1060	5.90	0.49
	Contractors	4029	1165	111	5								5310	14.40	0.88
	Total	4977	1273	115	5								6370	14.40	0.81
201305	TEPCO	896	100	4									1000	8.60	0.45
	Contractors	3920	1141	92	5								5158	15.80	0.85
	Total	4816	1241	96	5								6158	15.80	0.78
201306	TEPCO	931	87	6									1024	7.40	0.42
	Contractors	3731	1182	85	7								5005	17.50	0.87
	Total	4662	1269	91	7								6029	17.50	0.79
201307	TEPCO	891	96	1									988	5.50	0.43
	Contractors	3752	1128	107	9								4996	14.80	0.89
	Total	4643	1224	108	9								5984	14.80	0.81
201308	TEPCO	834	118	4									956	6.10	0.49
	Contractors	3665	1211	142	40								5058	19.89	1.03
	Total	4499	1329	146	40								6014	19.89	0.94

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201309	TEPCO	933	102	3									1038	5.60	0.44
	Contractors	3525	1420	247	61	1							5254	20.58	1.28
	Total	4458	1522	250	61	1							6292	20.58	1.14
201310	TEPCO	893	146	8									1047	9.50	0.55
	Contractors	3460	1556	343	47								5406	19.36	1.43
	Total	4353	1702	351	47								6453	19.36	1.29
201311	TEPCO	954	120	5									1079	9.20	0.48
	Contractors	3700	1533	303	32								5568	16.91	1.28
	Total	4654	1653	308	32								6647	16.91	1.15
201312	TEPCO	968	116	2									1086	5.40	0.44
	Contractors	3852	1627	199	23								5701	16.81	1.13
	Total	4820	1743	201	23								6787	16.81	1.02
201401	TEPCO	997	84										1081	4.50	0.37
	Contractors	4112	1505	221	53								5891	15.80	1.16
	Total	5109	1589	221	53								6972	15.80	1.04
201402	TEPCO	1018	56	4									1078	6.50	0.34
	Contractors	4611	1611	168	30								6420	17.29	1.02
	Total	5629	1667	172	30								7498	17.29	0.92
201403	TEPCO	1012	85										1097	4.80	0.36
	Contractors	4940	1867	227	23								7057	18.49	1.07
	Total	5952	1952	227	23								8154	18.49	0.98
201404	TEPCO	999	94	1									1094	5.70	0.38
	Contractors	5449	1743	234	19								7445	16.00	0.98
	Total	6448	1837	235	19								8539	16.00	0.91
201405	TEPCO	1053	65	1									1119	5.60	0.31
	Contractors	5974	1794	209	47	1							8025	20.70	0.95
	Total	7027	1859	210	47	1							9144	20.70	0.87
201406	TEPCO	1056	66	1									1123	6.80	0.32
	Contractors	6773	1790	329	26								8918	16.89	0.95
	Total	7829	1856	330	26								10041	16.89	0.88
201407	TEPCO	1092	39	1									1132	5.40	0.27
	Contractors	7292	1728	258	49								9327	18.69	0.89
	Total	8384	1767	259	49								10459	18.69	0.82
201408	TEPCO	1062	39										1101	3.40	0.25
	Contractors	7818	1338	214	9								9379	17.13	0.71
	Total	8880	1377	214	9								10480	17.13	0.67
201409	TEPCO	1110	51	1									1162	6.00	0.27
	Contractors	8012	1634	288	36								9970	18.22	0.84
	Total	9122	1685	289	36								11132	18.22	0.78
201410	TEPCO	1112	62										1174	2.70	0.29
	Contractors	7951	1766	234	18								9969	14.92	0.80
	Total	9063	1828	234	18								11143	14.92	0.74
201411	TEPCO	1141	45										1186	3.00	0.21
	Contractors	8198	1644	269	19								10130	15.92	0.78
	Total	9339	1689	269	19								11316	15.92	0.72
201412	TEPCO	1099	60										1159	4.30	0.24
	Contractors	8272	1912	283	34								10501	16.74	0.85
	Total	9371	1972	283	34								11660	16.74	0.79

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201501	TEPCO	1111	37										1148	4.20	0.22
	Contractors	8514	1513	56	1								10084	12.80	0.56
	Total	9625	1550	56	1								11232	12.80	0.53
201502	TEPCO	1096	74	6									1176	8.00	0.33
	Contractors	8498	2214	285	36								11033	16.80	0.89
	Total	9594	2288	291	36								12209	16.80	0.83
201503	TEPCO	1060	79	3									1142	6.40	0.32
	Contractors	8036	2466	553	118								11173	19.90	1.21
	Total	9096	2545	556	118								12315	19.90	1.13
201504	TEPCO	1100	66										1166	4.80	0.27
	Contractors	7693	2414	248	20								10375	15.60	0.93
	Total	8793	2480	248	20								11541	15.60	0.86
201505	TEPCO	1092	42										1134	2.12	0.20
	Contractors	8100	1746	98	4								9948	11.40	0.66
	Total	9192	1788	98	4								11082	11.40	0.61
201506	TEPCO	1128	64										1192	3.90	0.25
	Contractors	8185	1737	167	12								10101	11.50	0.72
	Total	9313	1801	167	12								11293	11.50	0.67
201507	TEPCO	1119	53	1									1173	5.10	0.24
	Contractors	8140	1646	134	7								9927	10.72	0.66
	Total	9259	1699	135	7								11100	10.72	0.62
201508	TEPCO	1083	53										1136	3.38	0.21
	Contractors	8369	1040	36	1								9446	10.30	0.43
	Total	9452	1093	36	1								10582	10.30	0.41
201509	TEPCO	1144	51	1									1196	5.60	0.24
	Contractors	8034	1590	140	16								9780	15.30	0.67
	Total	9178	1641	141	16								10976	15.30	0.63
201510	TEPCO	1130	52										1182	3.20	0.22
	Contractors	7864	1699	145	9								9717	14.42	0.70
	Total	8994	1751	145	9								10899	14.42	0.64
201511	TEPCO	1119	48										1167	4.96	0.22
	Contractors	7920	1451	110	7								9488	13.88	0.61
	Total	9039	1499	110	7								10655	13.88	0.57
201512	TEPCO	1122	47										1169	2.70	0.21
	Contractors	8026	1335	73	5								9439	13.50	0.56
	Total	9148	1382	73	5								10608	13.50	0.52
201601	TEPCO	1108	38										1146	3.30	0.20
	Contractors	8070	1194	60	4								9328	16.00	0.51
	Total	9178	1232	60	4								10474	16.00	0.48
201602	TEPCO	1128	49										1177	4.70	0.22
	Contractors	7896	1461	78	12								9447	12.36	0.59
	Total	9024	1510	78	12								10624	12.36	0.55
201603	TEPCO	1125	44										1169	2.71	0.20
	Contractors	8051	1291	93	19								9454	13.82	0.59
	Total	9176	1335	93	19								10623	13.82	0.55

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201604	TEPCO	1097	16										1113	1.90	0.16
	Contractors	7852	870	42									8764	9.78	0.41
	Total	8949	886	42									9877	9.78	0.38
201605	TEPCO	1128	9										1137	2.50	0.14
	Contractors	7738	651	19									8408	9.70	0.32
	Total	8866	660	19									9545	9.70	0.30
201606	TEPCO	1166	26										1192	2.00	0.16
	Contractors	7928	833	56	6								8823	13.81	0.42
	Total	9094	859	56	6								10015	13.81	0.38
201607	TEPCO	1138	12										1150	1.92	0.11
	Contractors	7849	791	80	3								8723	10.70	0.41
	Total	8987	803	80	3								9873	10.70	0.38
201608	TEPCO	1125	41										1166	4.39	0.17
	Contractors	7951	532	19									8502	7.10	0.28
	Total	9076	573	19									9668	7.10	0.27
201609	TEPCO	1160	20										1180	3.50	0.14
	Contractors	8041	689	35									8765	8.80	0.35
	Total	9201	709	35									9945	8.80	0.33
201610	TEPCO	1142	21										1163	2.40	0.14
	Contractors	7693	875	48									8616	8.34	0.42
	Total	8835	896	48									9779	8.34	0.39
201611	TEPCO	1167	29										1196	3.10	0.15
	Contractors	7646	1000	50	5								8701	12.00	0.45
	Total	8813	1029	50	5								9897	12.00	0.42
201612	TEPCO	1144	16	2									1162	6.24	0.16
	Contractors	7667	856	46	4								8573	12.60	0.41
	Total	8811	872	48	4								9735	12.60	0.38
201701	TEPCO	1105	24										1129	2.40	0.15
	Contractors	7729	785	69	5								8588	11.00	0.42
	Total	8834	809	69	5								9717	11.00	0.38
201702	TEPCO	1127	49										1176	3.40	0.17
	Contractors	7659	1111	121	6								8897	13.70	0.53
	Total	8786	1160	121	6								10073	13.70	0.48
201703	TEPCO	1132	38										1170	3.70	0.18
	Contractors	7525	1130	162	26								8843	16.30	0.61
	Total	8657	1168	162	26								10013	16.30	0.56
201704	TEPCO	1027	26										1053	2.74	0.17
	Contractors	7165	892	87	5								8149	11.40	0.47
	Total	8192	918	87	5								9202	11.40	0.43
201705	TEPCO	1023	12										1035	2.40	0.13
	Contractors	7247	713	78									8038	8.80	0.39
	Total	8270	725	78									9073	8.80	0.36
201706	TEPCO	1023	26										1049	3.30	0.16
	Contractors	7301	890	64	9								8264	12.90	0.45
	Total	8324	916	64	9								9313	12.90	0.42
201707	TEPCO	1001	14										1015	3.80	0.13
	Contractors	7211	847	55	2								8115	11.50	0.42
	Total	8212	861	55	2								9130	11.50	0.39

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201708	TEPCO	979	19										998	3.20	0.13
	Contractors	7164	651	19									7834	7.60	0.32
	Total	8143	670	19									8832	7.60	0.30
201709	TEPCO	1033	15										1048	3.30	0.11
	Contractors	7082	657	16									7755	7.50	0.32
	Total	8115	672	16									8803	7.50	0.30
201710	TEPCO	1035	29										1064	2.50	0.14
	Contractors	6886	715	32	2								7635	10.30	0.37
	Total	7921	744	32	2								8699	10.30	0.34
201711	TEPCO	1027	23										1050	2.40	0.12
	Contractors	6874	660	35	5								7574	11.20	0.37
	Total	7901	683	35	5								8624	11.20	0.34
201712	TEPCO	961	22										983	2.60	0.14
	Contractors	6683	578	18	1								7280	10.31	0.32
	Total	7644	600	18	1								8263	10.31	0.30
201801	TEPCO	914	24										938	4.14	0.13
	Contractors	6444	614	23	1								7082	10.60	0.35
	Total	7358	638	23	1								8020	10.60	0.32
201802	TEPCO	941	50										991	3.83	0.21
	Contractors	6353	791	56									7200	9.80	0.43
	Total	7294	841	56									8191	9.80	0.41
201803	TEPCO	935	46										981	2.96	0.17
	Contractors	6394	768	69									7231	8.83	0.45
	Total	7329	814	69									8212	8.83	0.42
201804	TEPCO	1001	13										1014	2.40	0.11
	Contractors	5840	509	26									6375	8.40	0.33
	Total	6841	522	26									7389	8.40	0.30
201805	TEPCO	927	15										942	1.90	0.12
	Contractors	5820	481	18									6319	9.40	0.30
	Total	6747	496	18									7261	9.40	0.28
201806	TEPCO	939	29										968	2.68	0.14
	Contractors	5795	488	4									6287	7.37	0.30
	Total	6734	517	4									7255	7.37	0.28
201807	TEPCO	867	27										894	2.72	0.13
	Contractors	5665	597	21									6283	9.70	0.34
	Total	6532	624	21									7177	9.70	0.32
201808	TEPCO	947	25										972	2.30	0.13
	Contractors	5784	453	9									6246	6.30	0.29
	Total	6731	478	9									7218	6.30	0.27
201809	TEPCO	985	17										1002	1.90	0.11
	Contractors	5684	469	8									6161	8.00	0.28
	Total	6669	486	8									7163	8.00	0.26
201810	TEPCO	976	26										1002	4.17	0.15
	Contractors	5579	567	18									6164	8.20	0.35
	Total	6555	593	18									7166	8.20	0.32
201811	TEPCO	1009	13										1022	2.95	0.11
	Contractors	5556	626	42									6224	9.88	0.39
	Total	6565	639	42									7246	9.88	0.35

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201812	TEPCO	981	21										1002	4.52	0.13
	Contractors	5562	621	55	4								6242	14.10	0.42
	Total	6543	642	55	4								7244	14.10	0.38
201901	TEPCO	944	16										960	2.32	0.10
	Contractors	5569	511	37									6117	7.81	0.36
	Total	6513	527	37									7077	7.81	0.32
201902	TEPCO	974	28	1									1003	5.38	0.15
	Contractors	5575	676	58	2								6311	12.60	0.44
	Total	6549	704	59	2								7314	12.60	0.40
201903	TEPCO	919	34	1									954	5.70	0.17
	Contractors	5539	600	28	3								6170	11.81	0.37
	Total	6458	634	29	3								7124	11.81	0.34

Note)

•The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

•The record months of the internal exposure dose of workers in the data above could be changed, even if the evaluation values of their internal exposure dose have not changed, when their "inhalation exposure days" (the days when they inhaled radioactive materials) are reviewed. In the case that the record months have been changed, that effect will be described.

(Aggregation period: March 11, 2011 - March 31, 2019)

**Table 11. Cumulative Exposure Dose Data by Fiscal Year**

FY2011

Dose ranges (mSv)	March 2011-March 2012		
	TEPCO's employees	Contractors	Total
Above 250	6	0	6
200-250	1	2	3
150-200	26	2	28
100-150	117	20	137
75-100	186	65	251
50-75	257	261	518
20-50	630	2660	3290
10-20	491	2896	3387
5-10	377	2556	2933
1-5	589	4625	5214
1 or less	735	4633	5368
Total	3415	17720	21135
Maximum (mSv)	678.80	238.42	678.80
Average (mSv)	25.15	10.06	12.50

FY2012

Dose ranges (mSv)	April 2012-March 2013		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	1	0	1
20-50	62	675	737
10-20	129	2000	2129
5-10	266	1875	2141
1-5	579	3327	3906
1 or less	589	4239	4828
Total	1626	12116	13742
Maximum (mSv)	54.10	43.30	54.10
Average (mSv)	4.49	5.90	5.74

FY2013

Dose ranges (mSv)	April 2013-March 2014		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	31	629	660
10-20	95	2067	2162
5-10	195	1897	2092
1-5	670	3739	4409
1 or less	701	4722	5423
Total	1692	13054	14746
Maximum (mSv)	41.90	41.40	41.90
Average (mSv)	3.24	5.51	5.25



## FY2014

Dose ranges (mSv)	April 2014-March 2015		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	11	996	1007
10-20	60	2598	2658
5-10	158	2775	2933
1-5	637	5315	5952
1 or less	822	7358	8180
Total	1688	19042	20730
Maximum (mSv)	29.50	39.85	39.85
Average (mSv)	2.30	5.29	5.04

## FY2015

Dose ranges (mSv)	April 2015-March 2016		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	6	592	598
10-20	52	1947	1999
5-10	108	2247	2355
1-5	533	5114	5647
1 or less	998	6599	7597
Total	1697	16499	18196
Maximum (mSv)	24.00	43.20	43.20
Average (mSv)	1.85	4.52	4.27

## FY2016

Dose ranges (mSv)	April 2016-March 2017		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	216	216
10-20	22	1139	1161
5-10	90	1393	1483
1-5	404	4371	4775
1 or less	1162	7038	8200
Total	1678	14157	15835
Maximum (mSv)	14.75	38.83	38.83
Average (mSv)	1.27	3.09	2.90

## FY2017

Dose ranges (mSv)	April 2017-March 2018		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	74	74
10-20	18	1133	1151
5-10	85	1038	1123
1-5	306	3571	3877
1 or less	1121	6597	7718
Total	1530	12413	13943
Maximum (mSv)	15.94	32.74	32.74
Average (mSv)	1.15	2.88	2.69

## FY2018

Dose ranges (mSv)	April 2018-March 2019		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	21	855	876
5-10	70	869	939
1-5	252	2824	3076
1 or less	1100	5315	6415
Total	1443	9863	11306
Maximum (mSv)	15.52	19.90	19.90
Average (mSv)	1.04	2.64	2.43

Note)

•The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

(Aggregation period: March 11, 2011 - March 31, 2019)

**Table 11 (1) Cumulative External Exposure Dose Data by Fisical Year**

FY2011

Dose ranges (mSv)	March 2011-March 2012		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	7	3	10
100-150	58	8	66
75-100	107	29	136
50-75	231	195	426
20-50	674	2459	3133
10-20	554	2847	3401
5-10	428	2589	3017
1-5	600	4741	5341
1 or less	756	4849	5605
<b>Total</b>	<b>3415</b>	<b>17720</b>	<b>21135</b>
Maximum (mSv)	188.14	199.42	199.42
Average (mSv)	19.15	9.16	10.77

FY2012

Dose ranges (mSv)	April 2012-March 2013		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	1	0	1
20-50	62	675	737
10-20	129	2000	2129
5-10	266	1875	2141
1-5	579	3327	3906
1 or less	589	4239	4828
<b>Total</b>	<b>1626</b>	<b>12116</b>	<b>13742</b>
Maximum (mSv)	54.10	43.30	54.10
Average (mSv)	4.49	5.90	5.74

FY2013

Dose ranges (mSv)	April 2013-March 2014		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	31	629	660
10-20	95	2067	2162
5-10	195	1897	2092
1-5	670	3739	4409
1 or less	701	4722	5423
<b>Total</b>	<b>1692</b>	<b>13054</b>	<b>14746</b>
Maximum (mSv)	41.90	41.40	41.90
Average (mSv)	3.24	5.51	5.25

## FY2014

Dose ranges (mSv)	April 2014-March 2015		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	11	996	1007
10-20	60	2598	2658
5-10	158	2775	2933
1-5	637	5315	5952
1 or less	822	7358	8180
Total	1688	19042	20730
Maximum (mSv)	29.50	39.85	39.85
Average (mSv)	2.30	5.29	5.04

## FY2015

Dose ranges (mSv)	April 2015-March 2016		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	6	592	598
10-20	52	1947	1999
5-10	108	2247	2355
1-5	533	5114	5647
1 or less	998	6599	7597
Total	1697	16499	18196
Maximum (mSv)	24.00	43.20	43.20
Average (mSv)	1.85	4.52	4.27

## FY2016

Dose ranges (mSv)	April 2016- March 2017		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	216	216
10-20	22	1139	1161
5-10	90	1393	1483
1-5	404	4371	4775
1 or less	1162	7038	8200
Total	1678	14157	15835
Maximum (mSv)	14.75	38.83	38.83
Average (mSv)	1.27	3.09	2.90

## FY2017

Dose ranges (mSv)	April 2017- March 2018		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	74	74
10-20	18	1133	1151
5-10	85	1038	1123
1-5	306	3571	3877
1 or less	1121	6597	7718
Total	1530	12413	13943
Maximum (mSv)	15.94	32.74	32.74
Average (mSv)	1.15	2.88	2.69

## FY2018

Dose ranges (mSv)	April 2018- March 2019		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	21	855	876
5-10	70	869	939
1-5	252	2824	3076
1 or less	1100	5315	6415
Total	1443	9863	11306
Maximum (mSv)	15.52	19.90	19.90
Average (mSv)	1.04	2.64	2.43

Note)

- The table shows the external exposure part of the cumulative exposure dose data by fiscal year.
- The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

(Aggregation period: March 11, 2011 - March 31, 2019)

**Table 11 (2) Cumulative Internal Exposure Dose Data by Fisical Year**

FY2011

Dose ranges (mSv)	March 2011-March 2012		
	TEPCO's employees	Contractors	Total
Above 250	5	0	5
200-250	1	0	1
150-200	1	0	1
100-150	7	0	7
75-100	11	11	22
50-75	27	17	44
20-50	191	125	316
10-20	399	313	712
5-10	281	411	692
2-5	223	685	908
2 or less	2269	16158	18427
Total	3415	17720	21135
Maximum (mSv)	590.00	98.53	590.00
Average (mSv)	6.01	0.90	1.73

FY2012

Dose ranges (mSv)	April 2012-March 2013		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1626	12116	13742
Total	1626	12116	13742
Maximum (mSv)	0.00	0.10	0.10
Average (mSv)	0.00	0.00	0.00

FY2013

Dose ranges (mSv)	April 2013-March 2014		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1692	13054	14746
Total	1692	13054	14746
Maximum (mSv)	0.00	0.00	0.00
Average (mSv)	0.00	0.00	0.00

## FY2014

Dose ranges (mSv)	April 2014-March 2015		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1688	19042	20730
Total	1688	19042	20730
Maximum (mSv)	0.00	0.00	0.00
Average (mSv)	0.00	0.00	0.00

## FY2015

Dose ranges (mSv)	April 2015-March 2016		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1697	16499	18196
Total	1697	16499	18196
Maximum (mSv)	0.00	0.00	0.00
Average (mSv)	0.00	0.00	0.00

## FY2016

Dose ranges (mSv)	April 2016-March 2017		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1678	14157	15835
Total	1678	14157	15835
Maximum (mSv)	0.00	0.00	0.00
Average (mSv)	0.00	0.00	0.00

## FY2017

Dose ranges (mSv)	April 2017-March 2018		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1530	12413	13943
Total	1530	12413	13943
Maximum (mSv)	0.00	0.00	0.00
Average (mSv)	0.00	0.00	0.00

## FY2018

Dose ranges (mSv)	April 2018- March 2019		
	TEPCO's employees	Contractors	Total
Above 250	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	0	0
10-20	0	0	0
5-10	0	0	0
2-5	0	0	0
2 or less	1443	9863	11306
Total	1443	9863	11306
Maximum (mSv)	0.00	0.00	0.00
Average (mSv)	0.00	0.00	0.00

Note)

- The table shows the internal exposure part of the cumulative exposure dose data by fiscal year.
- Depending on the prime contractors, there are some cases in which the internal exposure dose is recorded as that of the WBC measurement month, not the inhalation exposure month.



**Table 12. Monthly External Exposure Dose Data**

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201103	TEPCO	60	88	522	604	287	67	41	21	6			1696	182.33	19.52
	Contractors	547	763	385	331	182	36	22	8	3			2277	199.42	9.08
	Total	607	851	907	935	469	103	63	29	9			3973	199.42	13.54
201104	TEPCO	233	321	859	182	61	1						1657	59.60	6.61
	Contractors	1647	1445	583	406	106							4187	48.10	4.03
	Total	1880	1766	1442	588	167	1						5844	59.60	4.76
201105	TEPCO	438	782	170	73	14							1477	33.42	3.13
	Contractors	2258	2391	786	304	70							5809	48.80	3.19
	Total	2696	3173	956	377	84							7286	48.80	3.18
201106	TEPCO	515	723	83	30								1351	16.29	2.10
	Contractors	2520	2604	743	323	60							6250	43.00	2.99
	Total	3035	3327	826	353	60							7601	43.00	2.84
201107	TEPCO	655	626	50	17	3							1351	31.13	1.67
	Contractors	2865	2724	580	195	31							6395	34.42	2.38
	Total	3520	3350	630	212	34							7746	34.42	2.26
201108	TEPCO	543	666	57	19	1							1286	23.33	1.72
	Contractors	2826	2712	485	161	24							6208	36.10	2.18
	Total	3369	3378	542	180	25							7494	36.10	2.10
201109	TEPCO	534	633	38	2								1207	11.35	1.45
	Contractors	2856	2567	398	140	22							5983	33.40	2.01
	Total	3390	3200	436	142	22							7190	33.40	1.91
201110	TEPCO	564	552	45	15	3							1179	36.35	1.57
	Contractors	2825	2346	336	103	8							5618	23.50	1.84
	Total	3389	2898	381	118	11							6797	36.35	1.79
201111	TEPCO	853	280	37	10								1180	13.40	1.07
	Contractors	3355	1909	228	81	5							5578	23.03	1.46
	Total	4208	2189	265	91	5							6758	23.03	1.39
201112	TEPCO	868	282	26	13	3							1192	23.20	1.10
	Contractors	3348	1725	258	76								5407	19.20	1.43
	Total	4216	2007	284	89	3							6599	23.20	1.37
201201	TEPCO	761	284	37	13								1095	17.00	1.19
	Contractors	3240	1430	203	72	1							4946	21.90	1.36
	Total	4001	1714	240	85	1							6041	21.90	1.33
201202	TEPCO	845	231	25	8								1109	17.63	0.91
	Contractors	2945	1579	221	100	2							4847	20.91	1.50
	Total	3790	1810	246	108	2							5956	20.91	1.39
201203	TEPCO	874	220	23	2								1119	12.10	0.83
	Contractors	3030	1463	206	53	3							4755	21.83	1.36
	Total	3904	1683	229	55	3							5874	21.83	1.26
201204	TEPCO	870	179	19	3								1071	13.00	0.75
	Contractors	2835	1305	151	75	3							4369	23.90	1.30
	Total	3705	1484	170	78	3							5440	23.90	1.19
201205	TEPCO	854	177	10	1								1042	10.20	0.66
	Contractors	2897	1406	246	49								4598	18.22	1.42
	Total	3751	1583	256	50								5640	18.22	1.28

Year and month	TEPCO/ Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201206	TEPCO	829	162	20	3								1014	12.10	0.78
	Contractors	3086	1652	220	29								4987	14.94	1.29
	Total	3915	1814	240	32								6001	14.94	1.21
201207	TEPCO	854	150	9									1013	6.60	0.62
	Contractors	3065	1621	222	38								4946	17.33	1.34
	Total	3919	1771	231	38								5959	17.33	1.21
201208	TEPCO	835	144	7									986	7.20	0.62
	Contractors	3299	1341	120	4								4764	11.64	1.04
	Total	4134	1485	127	4								5750	11.64	0.97
201209	TEPCO	850	123	9									982	8.20	0.57
	Contractors	3272	1274	163	29	1							4739	20.50	1.15
	Total	4122	1397	172	29	1							5721	20.50	1.05
201210	TEPCO	826	145	7									978	6.30	0.61
	Contractors	3307	1325	136	31								4799	16.00	1.11
	Total	4133	1470	143	31								5777	16.00	1.03
201211	TEPCO	812	149	7									968	9.50	0.61
	Contractors	3306	1222	145	27								4700	18.70	1.09
	Total	4118	1371	152	27								5668	18.70	1.01
201212	TEPCO	846	149	10									1005	7.50	0.58
	Contractors	3489	1363	180	10								5042	15.00	1.10
	Total	4335	1512	190	10								6047	15.00	1.01
201301	TEPCO	870	96	3									969	7.39	0.42
	Contractors	3768	1310	115	7								5200	12.90	0.96
	Total	4638	1406	118	7								6169	12.90	0.88
201302	TEPCO	870	105	2									977	5.43	0.45
	Contractors	3917	1415	263	35								5630	18.50	1.21
	Total	4787	1520	265	35								6607	18.50	1.09
201303	TEPCO	845	140	10	2								997	11.03	0.60
	Contractors	3908	1706	335	35								5984	19.30	1.35
	Total	4753	1846	345	37								6981	19.30	1.24
201304	TEPCO	948	108	4									1060	5.90	0.49
	Contractors	4029	1165	111	5								5310	14.40	0.88
	Total	4977	1273	115	5								6370	14.40	0.81
201305	TEPCO	896	100	4									1000	8.60	0.45
	Contractors	3920	1141	92	5								5158	15.80	0.85
	Total	4816	1241	96	5								6158	15.80	0.78
201306	TEPCO	931	87	6									1024	7.40	0.42
	Contractors	3731	1182	85	7								5005	17.50	0.87
	Total	4662	1269	91	7								6029	17.50	0.79
201307	TEPCO	891	96	1									988	5.50	0.43
	Contractors	3752	1128	107	9								4996	14.80	0.89
	Total	4643	1224	108	9								5984	14.80	0.81
201308	TEPCO	834	118	4									956	6.10	0.49
	Contractors	3665	1211	142	40								5058	19.89	1.03
	Total	4499	1329	146	40								6014	19.89	0.94
201309	TEPCO	933	102	3									1038	5.60	0.44
	Contractors	3525	1420	247	61	1							5254	20.58	1.28
	Total	4458	1522	250	61	1							6292	20.58	1.14

Year and month	TEPCO/ Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201310	TEPCO	893	146	8									1047	9.50	0.55
	Contractors	3460	1556	343	47								5406	19.36	1.43
	Total	4353	1702	351	47								6453	19.36	1.29
201311	TEPCO	954	120	5									1079	9.20	0.48
	Contractors	3700	1533	303	32								5568	16.91	1.28
	Total	4654	1653	308	32								6647	16.91	1.15
201312	TEPCO	968	116	2									1086	5.40	0.44
	Contractors	3852	1627	199	23								5701	16.81	1.13
	Total	4820	1743	201	23								6787	16.81	1.02
201401	TEPCO	997	84										1081	4.50	0.37
	Contractors	4112	1505	221	53								5891	15.80	1.16
	Total	5109	1589	221	53								6972	15.80	1.04
201402	TEPCO	1018	56	4									1078	6.50	0.34
	Contractors	4611	1611	168	30								6420	17.29	1.02
	Total	5629	1667	172	30								7498	17.29	0.92
201403	TEPCO	1012	85										1097	4.80	0.36
	Contractors	4940	1867	227	23								7057	18.49	1.07
	Total	5952	1952	227	23								8154	18.49	0.98
201404	TEPCO	999	94	1									1094	5.70	0.38
	Contractors	5449	1743	234	19								7445	16.00	0.98
	Total	6448	1837	235	19								8539	16.00	0.91
201405	TEPCO	1053	65	1									1119	5.60	0.31
	Contractors	5974	1794	209	47	1							8025	20.70	0.95
	Total	7027	1859	210	47	1							9144	20.70	0.87
201406	TEPCO	1056	66	1									1123	6.80	0.32
	Contractors	6773	1790	329	26								8918	16.89	0.95
	Total	7829	1856	330	26								10041	16.89	0.88
201407	TEPCO	1092	39	1									1132	5.40	0.27
	Contractors	7292	1728	258	49								9327	18.69	0.89
	Total	8384	1767	259	49								10459	18.69	0.82
201408	TEPCO	1062	39										1101	3.40	0.25
	Contractors	7818	1338	214	9								9379	17.13	0.71
	Total	8880	1377	214	9								10480	17.13	0.67
201409	TEPCO	1110	51	1									1162	6.00	0.27
	Contractors	8012	1634	288	36								9970	18.22	0.84
	Total	9122	1685	289	36								11132	18.22	0.78
201410	TEPCO	1112	62										1174	2.70	0.29
	Contractors	7951	1766	234	18								9969	14.92	0.80
	Total	9063	1828	234	18								11143	14.92	0.74
201411	TEPCO	1141	45										1186	3.00	0.21
	Contractors	8198	1644	269	19								10130	15.92	0.78
	Total	9339	1689	269	19								11316	15.92	0.72
201412	TEPCO	1099	60										1159	4.30	0.24
	Contractors	8272	1912	283	34								10501	16.74	0.85
	Total	9371	1972	283	34								11660	16.74	0.79
201501	TEPCO	1111	37										1148	4.20	0.22
	Contractors	8514	1513	56	1								10084	12.80	0.56
	Total	9625	1550	56	1								11232	12.80	0.53

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201502	TEPCO	1096	74	6									1176	8.00	0.33
	Contractors	8498	2214	285	36								11033	16.80	0.89
	Total	9594	2288	291	36								12209	16.80	0.83
201503	TEPCO	1060	79	3									1142	6.40	0.32
	Contractors	8036	2466	553	118								11173	19.90	1.21
	Total	9096	2545	556	118								12315	19.90	1.13
201504	TEPCO	1100	66										1166	4.80	0.27
	Contractors	7693	2414	248	20								10375	15.60	0.93
	Total	8793	2480	248	20								11541	15.60	0.86
201505	TEPCO	1092	42										1134	2.12	0.20
	Contractors	8100	1746	98	4								9948	11.40	0.66
	Total	9192	1788	98	4								11082	11.40	0.61
201506	TEPCO	1128	64										1192	3.90	0.25
	Contractors	8185	1737	167	12								10101	11.50	0.72
	Total	9313	1801	167	12								11293	11.50	0.67
201507	TEPCO	1119	53	1									1173	5.10	0.24
	Contractors	8140	1646	134	7								9927	10.72	0.66
	Total	9259	1699	135	7								11100	10.72	0.62
201508	TEPCO	1083	53										1136	3.38	0.21
	Contractors	8369	1040	36	1								9446	10.30	0.43
	Total	9452	1093	36	1								10582	10.30	0.41
201509	TEPCO	1144	51	1									1196	5.60	0.24
	Contractors	8034	1590	140	16								9780	15.30	0.67
	Total	9178	1641	141	16								10976	15.30	0.63
201510	TEPCO	1130	52										1182	3.20	0.22
	Contractors	7864	1699	145	9								9717	14.42	0.70
	Total	8994	1751	145	9								10899	14.42	0.64
201511	TEPCO	1119	48										1167	4.96	0.22
	Contractors	7920	1451	110	7								9488	13.88	0.61
	Total	9039	1499	110	7								10655	13.88	0.57
201512	TEPCO	1122	47										1169	2.70	0.21
	Contractors	8026	1335	73	5								9439	13.50	0.56
	Total	9148	1382	73	5								10608	13.50	0.52
201601	TEPCO	1108	38										1146	3.30	0.20
	Contractors	8070	1194	60	4								9328	16.00	0.51
	Total	9178	1232	60	4								10474	16.00	0.48
201602	TEPCO	1128	49										1177	4.70	0.22
	Contractors	7896	1461	78	12								9447	12.36	0.59
	Total	9024	1510	78	12								10624	12.36	0.55
201603	TEPCO	1125	44										1169	2.71	0.20
	Contractors	8051	1291	93	19								9454	13.82	0.59
	Total	9176	1335	93	19								10623	13.82	0.55

Year and month	TEPCO/ Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201604	TEPCO	1097	16										1113	1.90	0.16
	Contractors	7852	870	42									8764	9.78	0.41
	Total	8949	886	42									9877	9.78	0.38
201605	TEPCO	1128	9										1137	2.50	0.14
	Contractors	7738	651	19									8408	9.70	0.32
	Total	8866	660	19									9545	9.70	0.30
201606	TEPCO	1166	26										1192	2.00	0.16
	Contractors	7928	833	56	6								8823	13.81	0.42
	Total	9094	859	56	6								10015	13.81	0.38
201607	TEPCO	1138	12										1150	1.92	0.11
	Contractors	7849	791	80	3								8723	10.70	0.41
	Total	8987	803	80	3								9873	10.70	0.38
201608	TEPCO	1125	41										1166	4.39	0.17
	Contractors	7951	532	19									8502	7.10	0.28
	Total	9076	573	19									9668	7.10	0.27
201609	TEPCO	1160	20										1180	3.50	0.14
	Contractors	8041	689	35									8765	8.80	0.35
	Total	9201	709	35									9945	8.80	0.33
201610	TEPCO	1142	21										1163	2.40	0.14
	Contractors	7693	875	48									8616	8.34	0.42
	Total	8835	896	48									9779	8.34	0.39
201611	TEPCO	1167	29										1196	3.10	0.15
	Contractors	7646	1000	50	5								8701	12.00	0.45
	Total	8813	1029	50	5								9897	12.00	0.42
201612	TEPCO	1144	16	2									1162	6.24	0.16
	Contractors	7667	856	46	4								8573	12.60	0.41
	Total	8811	872	48	4								9735	12.60	0.38
201701	TEPCO	1105	24										1129	2.40	0.15
	Contractors	7729	785	69	5								8588	11.00	0.42
	Total	8834	809	69	5								9717	11.00	0.38
201702	TEPCO	1127	49										1176	3.40	0.17
	Contractors	7659	1111	121	6								8897	13.70	0.53
	Total	8786	1160	121	6								10073	13.70	0.48
201703	TEPCO	1132	38										1170	3.70	0.18
	Contractors	7525	1130	162	26								8843	16.30	0.61
	Total	8657	1168	162	26								10013	16.30	0.56
201704	TEPCO	1027	26										1053	2.74	0.17
	Contractors	7165	892	87	5								8149	11.40	0.47
	Total	8192	918	87	5								9202	11.40	0.43
201705	TEPCO	1023	12										1035	2.40	0.13
	Contractors	7247	713	78									8038	8.80	0.39
	Total	8270	725	78									9073	8.80	0.36
201706	TEPCO	1023	26										1049	3.30	0.16
	Contractors	7301	890	64	9								8264	12.90	0.45
	Total	8324	916	64	9								9313	12.90	0.42

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201707	TEPCO	1001	14										1015	3.80	0.13
	Contractors	7211	847	55	2								8115	11.50	0.42
	Total	8212	861	55	2								9130	11.50	0.39
201708	TEPCO	979	19										998	3.20	0.13
	Contractors	7164	651	19									7834	7.60	0.32
	Total	8143	670	19									8832	7.60	0.30
201709	TEPCO	1033	15										1048	3.30	0.11
	Contractors	7082	657	16									7755	7.50	0.32
	Total	8115	672	16									8803	7.50	0.30
201710	TEPCO	1035	29										1064	2.50	0.14
	Contractors	6886	715	32	2								7635	10.30	0.37
	Total	7921	744	32	2								8699	10.30	0.34
201711	TEPCO	1027	23										1050	2.40	0.12
	Contractors	6874	660	35	5								7574	11.20	0.37
	Total	7901	683	35	5								8624	11.20	0.34
201712	TEPCO	961	22										983	2.60	0.14
	Contractors	6683	578	18	1								7280	10.31	0.32
	Total	7644	600	18	1								8263	10.31	0.30
201801	TEPCO	914	24										938	4.14	0.13
	Contractors	6444	614	23	1								7082	10.60	0.35
	Total	7358	638	23	1								8020	10.60	0.32
201802	TEPCO	941	50										991	3.83	0.21
	Contractors	6353	791	56									7200	9.80	0.43
	Total	7294	841	56									8191	9.80	0.41
201803	TEPCO	935	46										981	2.96	0.17
	Contractors	6394	768	69									7231	8.83	0.45
	Total	7329	814	69									8212	8.83	0.42
201804	TEPCO	1001	13										1014	2.40	0.11
	Contractors	5840	509	26									6375	8.40	0.33
	Total	6841	522	26									7389	8.40	0.30
201805	TEPCO	927	15										942	1.90	0.12
	Contractors	5820	481	18									6319	9.40	0.30
	Total	6747	496	18									7261	9.40	0.28
201806	TEPCO	939	29										968	2.68	0.14
	Contractors	5795	488	4									6287	7.37	0.30
	Total	6734	517	4									7255	7.37	0.28
201807	TEPCO	867	27										894	2.72	0.13
	Contractors	5665	597	21									6283	9.70	0.34
	Total	6532	624	21									7177	9.70	0.32
201808	TEPCO	947	25										972	2.30	0.13
	Contractors	5784	453	9									6246	6.30	0.29
	Total	6731	478	9									7218	6.30	0.27
201809	TEPCO	985	17										1002	1.90	0.11
	Contractors	5684	469	8									6161	8.00	0.28
	Total	6669	486	8									7163	8.00	0.26
201810	TEPCO	976	26										1002	4.17	0.15
	Contractors	5579	567	18									6164	8.20	0.35
	Total	6555	593	18									7166	8.20	0.32

Year and month	TEPCO/Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of Workers	Maximum (mSv)	Average (mSv)
201811	TEPCO	1009	13										1022	2.95	0.11
	Contractors	5556	626	42									6224	9.88	0.39
	Total	6565	639	42									7246	9.88	0.35
201812	TEPCO	981	21										1002	4.52	0.13
	Contractors	5562	621	55	4								6242	14.10	0.42
	Total	6543	642	55	4								7244	14.10	0.38
201901	TEPCO	944	16										960	2.32	0.10
	Contractors	5569	511	37									6117	7.81	0.36
	Total	6513	527	37									7077	7.81	0.32
201902	TEPCO	974	28	1									1003	5.38	0.15
	Contractors	5575	676	58	2								6311	12.60	0.44
	Total	6549	704	59	2								7314	12.60	0.40
201903	TEPCO	919	34	1									954	5.70	0.17
	Contractors	5539	600	28	3								6170	11.81	0.37
	Total	6458	634	29	3								7124	11.81	0.34

Note)

•The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

**Table 13. Monthly Internal Exposure Dose Data**

Year and month	TEPCO/Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201103	TEPCO	574	207	275	399	189	27	11	7	1	1	5	1696	590.00	12.01
	Contractors	1267	342	291	253	103	11	10					2277	98.53	5.10
	Total	1841	549	566	652	292	38	21	7	1	1	5	3973	590.00	8.05
201104	TEPCO	1638	15	2	2								1657	18.81	0.05
	Contractors	3960	156	50	16	# 5							4187	38.40	0.33
	Total	5598	171	52	18	5							5844	38.40	0.25
201105	TEPCO	1473	3	1									1477	7.89	0.01
	Contractors	5637	108	44	16	4							5809	32.80	0.19
	Total	7110	111	45	16	4							7286	32.80	0.15
201106	TEPCO	1345	5	1									1351	6.94	0.02
	Contractors	6121	# 82	# 30	# 15		# 1	# 1					6250	89.20	0.16
	Total	7466	87	31	15		1	1					7601	89.20	0.13
201107	TEPCO	1348	1	2									1351	6.33	0.01
	Contractors	6364	# 12	# 4	# 5	# 7	# 3						6395	59.35	0.10
	Total	7712	13	6	5	7	3						7746	59.35	0.08
201108	TEPCO	1285	1										1286	2.66	0.00
	Contractors	6201	# 5				# 2						6208	66.50	0.03
	Total	7486	6				2						7494	66.50	0.02
201109	TEPCO	1207											1207	0.00	0.00
	Contractors	5980	# 1	# 1		# 1							5983	23.70	0.01
	Total	7187	1	1		1							7190	23.70	0.01
201110	TEPCO	1179											1179	0.00	0.00
	Contractors	5616	# 1	# 1									5618	6.90	0.00
	Total	6795	1	1									6797	6.90	0.00
201111	TEPCO	1180											1180	0.00	0.00
	Contractors	5578											5578	1.99	0.00
	Total	6758											6758	1.99	0.00
201112	TEPCO	1192											1192	0.00	0.00
	Contractors	5407											5407	0.50	0.00
	Total	6599											6599	0.50	0.00
201201	TEPCO	1095											1095	0.00	0.00
	Contractors	4945	# 1										4946	2.47	0.00
	Total	6040	1										6041	2.47	0.00
201202	TEPCO	1109											1109	0.00	0.00
	Contractors	4847											4847	0.85	0.00
	Total	5956											5956	0.85	0.00
201203	TEPCO	1119											1119	0.00	0.00
	Contractors	4755											4755	0.20	0.00
	Total	5874											5874	0.20	0.00
201204	TEPCO	1071											1071	0.00	0.00
	Contractors	4369											4369	0.00	0.00
	Total	5440											5440	0.00	0.00
201205	TEPCO	1042											1042	0.00	0.00
	Contractors	4598											4598	0.10	0.00
	Total	5640											5640	0.10	0.00



Year and month	TEPCO/Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201206	TEPCO	1014											1014	0.00	0.00
	Contractors	4987											4987	0.00	0.00
	Total	6001											6001	0.00	0.00
201207	TEPCO	1013											1013	0.00	0.00
	Contractors	4946											4946	0.00	0.00
	Total	5959											5959	0.00	0.00
201208	TEPCO	986											986	0.00	0.00
	Contractors	4764											4764	0.00	0.00
	Total	5750											5750	0.00	0.00
201209	TEPCO	982											982	0.00	0.00
	Contractors	4739											4739	0.00	0.00
	Total	5721											5721	0.00	0.00
201210	TEPCO	978											978	0.00	0.00
	Contractors	4799											4799	0.00	0.00
	Total	5777											5777	0.00	0.00
201211	TEPCO	968											968	0.00	0.00
	Contractors	4700											4700	0.00	0.00
	Total	5668											5668	0.00	0.00
201212	TEPCO	1005											1005	0.00	0.00
	Contractors	5042											5042	0.00	0.00
	Total	6047											6047	0.00	0.00
201301	TEPCO	969											969	0.00	0.00
	Contractors	5200											5200	0.00	0.00
	Total	6169											6169	0.00	0.00
201302	TEPCO	977											977	0.00	0.00
	Contractors	5630											5630	0.00	0.00
	Total	6607											6607	0.00	0.00
201303	TEPCO	997											997	0.00	0.00
	Contractors	5984											5984	0.00	0.00
	Total	6981											6981	0.00	0.00
201304	TEPCO	1060											1060	0.00	0.00
	Contractors	5310											5310	0.00	0.00
	Total	6370											6370	0.00	0.00
201305	TEPCO	1000											1000	0.00	0.00
	Contractors	5158											5158	0.00	0.00
	Total	6158											6158	0.00	0.00
201306	TEPCO	1024											1024	0.00	0.00
	Contractors	5005											5005	0.00	0.00
	Total	6029											6029	0.00	0.00
201307	TEPCO	988											988	0.00	0.00
	Contractors	4996											4996	0.00	0.00
	Total	5984											5984	0.00	0.00
201308	TEPCO	956											956	0.00	0.00
	Contractors	5058											5058	0.00	0.00
	Total	6014											6014	0.00	0.00
201309	TEPCO	1038											1038	0.00	0.00
	Contractors	5254											5254	0.00	0.00
	Total	6292											6292	0.00	0.00

Year and month	TEPCO/ Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201310	TEPCO	1047											1047	0.00	0.00
	Contractors	5406											5406	0.00	0.00
	Total	6453											6453	0.00	0.00
201311	TEPCO	1079											1079	0.00	0.00
	Contractors	5568											5568	0.00	0.00
	Total	6647											6647	0.00	0.00
201312	TEPCO	1086											1086	0.00	0.00
	Contractors	5701											5701	0.00	0.00
	Total	6787											6787	0.00	0.00
201401	TEPCO	1081											1081	0.00	0.00
	Contractors	5891											5891	0.00	0.00
	Total	6972											6972	0.00	0.00
201402	TEPCO	1078											1078	0.00	0.00
	Contractors	6420											6420	0.00	0.00
	Total	7498											7498	0.00	0.00
201403	TEPCO	1097											1097	0.00	0.00
	Contractors	7057											7057	0.00	0.00
	Total	8154											8154	0.00	0.00
201404	TEPCO	1094											1094	0.00	0.00
	Contractors	7445											7445	0.00	0.00
	Total	8539											8539	0.00	0.00
201405	TEPCO	1119											1119	0.00	0.00
	Contractors	8025											8025	0.00	0.00
	Total	9144											9144	0.00	0.00
201406	TEPCO	1123											1123	0.00	0.00
	Contractors	8918											8918	0.00	0.00
	Total	10041											10041	0.00	0.00
201407	TEPCO	1132											1132	0.00	0.00
	Contractors	9327											9327	0.00	0.00
	Total	10459											10459	0.00	0.00
201408	TEPCO	1101											1101	0.00	0.00
	Contractors	9379											9379	0.00	0.00
	Total	10480											10480	0.00	0.00
201409	TEPCO	1162											1162	0.00	0.00
	Contractors	9970											9970	0.00	0.00
	Total	11132											11132	0.00	0.00
201410	TEPCO	1174											1174	0.00	0.00
	Contractors	9969											9969	0.00	0.00
	Total	11143											11143	0.00	0.00
201411	TEPCO	1186											1186	0.00	0.00
	Contractors	10130											10130	0.00	0.00
	Total	11316											11316	0.00	0.00
201412	TEPCO	1159											1159	0.00	0.00
	Contractors	10501											10501	0.00	0.00
	Total	11660											11660	0.00	0.00
201501	TEPCO	1148											1148	0.00	0.00
	Contractors	10084											10084	0.00	0.00
	Total	11232											11232	0.00	0.00

Year and month	TEPCO/Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201502	TEPCO	1176											1176	0.00	0.00
	Contractors	11033											11033	0.00	0.00
	Total	12209											12209	0.00	0.00
201503	TEPCO	1142											1142	0.00	0.00
	Contractors	11173											11173	0.00	0.00
	Total	12315											12315	0.00	0.00
201504	TEPCO	1166											1166	0.00	0.00
	Contractors	10375											10375	0.00	0.00
	Total	11541											11541	0.00	0.00
201505	TEPCO	1134											1134	0.00	0.00
	Contractors	9948											9948	0.00	0.00
	Total	11082											11082	0.00	0.00
201506	TEPCO	1192											1192	0.00	0.00
	Contractors	10101											10101	0.00	0.00
	Total	11293											11293	0.00	0.00
201507	TEPCO	1173											1173	0.00	0.00
	Contractors	9927											9927	0.00	0.00
	Total	11100											11100	0.00	0.00
201508	TEPCO	1136											1136	0.00	0.00
	Contractors	9446											9446	0.00	0.00
	Total	10582											10582	0.00	0.00
201509	TEPCO	1196											1196	0.00	0.00
	Contractors	9780											9780	0.00	0.00
	Total	10976											10976	0.00	0.00
201510	TEPCO	1182											1182	0.00	0.00
	Contractors	9717											9717	0.00	0.00
	Total	10899											10899	0.00	0.00
201511	TEPCO	1167											1167	0.00	0.00
	Contractors	9488											9488	0.00	0.00
	Total	10655											10655	0.00	0.00
201512	TEPCO	1169											1169	0.00	0.00
	Contractors	9439											9439	0.00	0.00
	Total	10608											10608	0.00	0.00
201601	TEPCO	1146											1146	0.00	0.00
	Contractors	9328											9328	0.00	0.00
	Total	10474											10474	0.00	0.00
201602	TEPCO	1177											1177	0.00	0.00
	Contractors	9447											9447	0.00	0.00
	Total	10624											10624	0.00	0.00
201603	TEPCO	1169											1169	0.00	0.00
	Contractors	9454											9454	0.00	0.00
	Total	10623											10623	0.00	0.00

Year and month	TEPCO/Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201604	TEPCO	1113											1113	0.00	0.00
	Contractors	8764											8764	0.00	0.00
	Total	9877											9877	0.00	0.00
201605	TEPCO	1137											1137	0.00	0.00
	Contractors	8408											8408	0.00	0.00
	Total	9545											9545	0.00	0.00
201606	TEPCO	1192											1192	0.00	0.00
	Contractors	8823											8823	0.00	0.00
	Total	10015											10015	0.00	0.00
201607	TEPCO	1150											1150	0.00	0.00
	Contractors	8723											8723	0.00	0.00
	Total	9873											9873	0.00	0.00
201608	TEPCO	1166											1166	0.00	0.00
	Contractors	8502											8502	0.00	0.00
	Total	9668											9668	0.00	0.00
201609	TEPCO	1180											1180	0.00	0.00
	Contractors	8765											8765	0.00	0.00
	Total	9945											9945	0.00	0.00
201610	TEPCO	1163											1163	0.00	0.00
	Contractors	8616											8616	0.00	0.00
	Total	9779											9779	0.00	0.00
201611	TEPCO	1196											1196	0.00	0.00
	Contractors	8701											8701	0.00	0.00
	Total	9897											9897	0.00	0.00
201612	TEPCO	1162											1162	0.00	0.00
	Contractors	8573											8573	0.00	0.00
	Total	9735											9735	0.00	0.00
201701	TEPCO	1129											1129	0.00	0.00
	Contractors	8588											8588	0.00	0.00
	Total	9717											9717	0.00	0.00
201702	TEPCO	1176											1176	0.00	0.00
	Contractors	8897											8897	0.00	0.00
	Total	10073											10073	0.00	0.00
201703	TEPCO	1170											1170	0.00	0.00
	Contractors	8843											8843	0.00	0.00
	Total	10013											10013	0.00	0.00
201704	TEPCO	1053											1053	0.00	0.00
	Contractors	8149											8149	0.00	0.00
	Total	9202											9202	0.00	0.00
201705	TEPCO	1035											1035	0.00	0.00
	Contractors	8038											8038	0.00	0.00
	Total	9073											9073	0.00	0.00
201706	TEPCO	1049											1049	0.00	0.00
	Contractors	8264											8264	0.00	0.00
	Total	9313											9313	0.00	0.00

Year and month	TEPCO/Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201707	TEPCO	1015											1015	0.00	0.00
	Contractors	8115											8115	0.00	0.00
	Total	9130											9130	0.00	0.00
201708	TEPCO	998											998	0.00	0.00
	Contractors	7834											7834	0.00	0.00
	Total	8832											8832	0.00	0.00
201709	TEPCO	1048											1048	0.00	0.00
	Contractors	7755											7755	0.00	0.00
	Total	8803											8803	0.00	0.00
201710	TEPCO	1064											1064	0.00	0.00
	Contractors	7635											7635	0.00	0.00
	Total	8699											8699	0.00	0.00
201711	TEPCO	1050											1050	0.00	0.00
	Contractors	7574											7574	0.00	0.00
	Total	8624											8624	0.00	0.00
201712	TEPCO	983											983	0.00	0.00
	Contractors	7280											7280	0.00	0.00
	Total	8263											8263	0.00	0.00
201801	TEPCO	938											938	0.00	0.00
	Contractors	7082											7082	0.00	0.00
	Total	8020											8020	0.00	0.00
201802	TEPCO	991											991	0.00	0.00
	Contractors	7200											7200	0.00	0.00
	Total	8191											8191	0.00	0.00
201803	TEPCO	981											981	0.00	0.00
	Contractors	7231											7231	0.00	0.00
	Total	8212											8212	0.00	0.00
201804	TEPCO	1014											1014	0.00	0.00
	Contractors	6375											6375	0.00	0.00
	Total	7389											7389	0.00	0.00
201805	TEPCO	942											942	0.00	0.00
	Contractors	6319											6319	0.00	0.00
	Total	7261											7261	0.00	0.00
201806	TEPCO	968											968	0.00	0.00
	Contractors	6287											6287	0.00	0.00
	Total	7255											7255	0.00	0.00
201807	TEPCO	894											894	0.00	0.00
	Contractors	6283											6283	0.00	0.00
	Total	7177											7177	0.00	0.00
201808	TEPCO	972											972	0.00	0.00
	Contractors	6246											6246	0.00	0.00
	Total	7218											7218	0.00	0.00
201809	TEPCO	1002											1002	0.00	0.00
	Contractors	6161											6161	0.00	0.00
	Total	7163											7163	0.00	0.00
201810	TEPCO	1002											1002	0.00	0.00
	Contractors	6164											6164	0.00	0.00
	Total	7166											7166	0.00	0.00

Year and month	TEPCO/Contractors	2 or less (mSv)	2-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maximum (mSv)	Average (mSv)
201811	TEPCO	1022											1022	0.00	0.00
	Contractors	6224											6224	0.00	0.00
	Total	7246											7246	0.00	0.00
201812	TEPCO	1002											1002	0.00	0.00
	Contractors	6242											6242	0.00	0.00
	Total	7244											7244	0.00	0.00
201901	TEPCO	960											960	0.00	0.00
	Contractors	6117											6117	0.00	0.00
	Total	7077											7077	0.00	0.00
201902	TEPCO	1003											1003	0.00	0.00
	Contractors	6311											6311	0.00	0.00
	Total	7314											7314	0.00	0.00
201903	TEPCO	954											954	0.00	0.00
	Contractors	6170											6170	0.00	0.00
	Total	7124											7124	0.00	0.00

Note)

- The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.
- Depending on the prime contractors, there are some cases in which the internal exposure dose is recorded as that of the WBC measurement month, not the inhalation exposure month.
- Basically, internal exposure dose should be recorded as that of the month including the day when radioactive materials were inhaled, which we call here an "inhalation day." However, regarding all or most of the data indicated with # in the table, they are recorded as the exposure dose of the month including the WBC measurement day, not the inhalation day.













Year and month	TEPCO/ Contractors	1 or less (mSv)	1-5 (mSv)	5-10 (mSv)	10-20 (mSv)	20-50 (mSv)	50-75 (mSv)	75-100 (mSv)	100-150 (mSv)	150-200 (mSv)	200-250 (mSv)	Above 250 (mSv)	Number of workers	Maimum (mSv)	Average (mSv)
201604-201903	TEPCO	1233	539	172	129	35	0	0	0	0	0	0	2108	35.20	2.56
	Contractors	8510	4454	2179	2069	1377	80	6	0	0	0	0	18675	79.90	5.65
	Total	9743	4993	2351	2198	1412	80	6	0	0	0	0	20783	79.90	5.34

Note)

\*The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

\*Aggregation periods are set based on the data management periods: from March 11, 2011 to March 31, 2016 and from April 1, 2016 to March 31, 2021.

(Aggregation period: March 11, 2011 - March 31, 2019)

**Table 15. Cumulative Data of Equivalent Dose to the Skin by Fiscal Year**

FY2011

Dose ranges (mSv)	March 2011-March 2012		
	TEPCO's employees	Contractors	Total
Above 1000	0	0	0
500-1000	0	2	2
300-500	0	0	0
250-300	0	1	1
200-250	0	2	2
150-200	7	5	12
100-150	61	14	75
75-100	114	34	148
50-75	229	237	466
20-50	671	2584	3255
10-20	555	2807	3362
5-10	424	2508	2932
1-5	598	4695	5293
1 or less	756	4831	5587
<b>Total</b>	<b>3415</b>	<b>17720</b>	<b>21135</b>
<b>Maximum (mSv)</b>	<b>188.14</b>	<b>665.42</b>	<b>665.42</b>
<b>Average (mSv)</b>	<b>19.35</b>	<b>9.70</b>	<b>11.25</b>

•Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the skin is 500mSv/year (the emergency exposure dose limit is 1Sv).

•Two contractors shown in the "500-1000"cell of the dose range above were exposed to radiation during the period when the dose limit for radiation workers engaged in emergency work was set at 1Sv.

FY2012

Dose ranges (mSv)	April 2012-March 2013		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	1	1
150-200	0	0	0
100-150	0	1	1
75-100	0	2	2
50-75	2	78	80
20-50	73	1064	1137
10-20	138	1939	2077
5-10	255	1711	1966
1-5	571	3124	3695
1 or less	587	4195	4782
<b>Total</b>	<b>1626</b>	<b>12115</b>	<b>13741</b>
<b>Maximum (mSv)</b>	<b>56.46</b>	<b>221.20</b>	<b>221.20</b>
<b>Average (mSv)</b>	<b>4.80</b>	<b>7.09</b>	<b>6.82</b>

## FY2013

Dose ranges (mSv)	April 2013-March 2014		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	0	0
150-200	0	1	1
100-150	0	4	4
75-100	1	15	16
50-75	8	117	125
20-50	62	1468	1530
10-20	118	1840	1958
5-10	213	1654	1867
1-5	636	3396	4032
1 or less	654	4559	5213
Total	1692	13054	14746
Max. (mSv)	81.10	193.30	193.30
Average (mSv)	4.36	7.79	7.39

## FY2014

Dose ranges (mSv)	April 2014-March 2015		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	0	0
150-200	0	1	1
100-150	0	1	1
75-100	1	4	5
50-75	1	120	121
20-50	20	1825	1845
10-20	81	2497	2578
5-10	172	2402	2574
1-5	602	4968	5570
1 or less	811	7224	8035
Total	1688	19042	20730
Maximum (mSv)	80.60	162.04	162.04
Average (mSv)	2.74	6.86	6.53

## FY2015

Dose ranges (mSv)	April 2015-March 2016		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	6	6
75-100	0	25	25
50-75	0	117	117
20-50	17	1466	1483
10-20	54	1928	1982
5-10	124	2047	2171
1-5	525	4509	5034
1 or less	977	6401	7378
Total	1697	16499	18196
Maximum (mSv)	38.00	145.81	145.81
Average (mSv)	2.13	6.54	6.12

## FY2016

Dose ranges (mSv)	April 2016-March 2017		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	7	7
75-100	0	12	12
50-75	0	50	50
20-50	2	733	735
10-20	32	1308	1340
5-10	94	1384	1478
1-5	402	3913	4315
1 or less	1148	6750	7898
Total	1678	14157	15835
Maximum (mSv)	21.60	138.30	138.30
Average (mSv)	1.39	4.63	4.29

## FY2017

Dose ranges (mSv)	April 2017-March 2018		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	1	1
75-100	0	7	7
50-75	0	58	58
20-50	4	495	499
10-20	26	1208	1234
5-10	96	1091	1187
1-5	295	3249	3544
1 or less	1109	6304	7413
Total	1530	12413	13943
Maximum (mSv)	37.49	105.10	105.10
Average (mSv)	1.33	4.27	3.95

FY2018

Dose ranges (mSv)	April 2018-March 2019		
	TEPCO's employees	Contractors	Total
Above 500	0	0	0
300-500	0	0	0
250-300	0	0	0
200-250	0	0	0
150-200	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	280	280
10-20	23	958	981
5-10	76	940	1016
1-5	251	2665	2916
1 or less	1093	5020	6113
Total	1443	9863	11306
Maximum (mSv)	16.12	46.63	46.63
Average (mSv)	1.10	3.55	3.24

•The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

•Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the skin is 500mSv/year (the emergency exposure dose limit is 1Sv).

•Equivalent dose to the skin is measured at a depth of 70 micrometers from the skin surface. When the equivalent dose is measured with a dosimeter other than the one put on around the chest and the abdomen, for example, a finger dosimeter, the maximum measurement value is counted as the equivalent dose.



(Aggregation period: March 11, 2011 - March 31, 2019)

**Table 16. Cumulative Data of Equivalent Dose to the Lens of the Eye by Fiscal Year**

FY2011

Dose ranges (mSv)	March 2011-March 2012		
	TEPCO's employees	Contractors	Total
Above 200	0	0	0
150-200	7	3	10
100-150	59	8	67
75-100	108	29	137
50-75	233	236	469
20-50	671	2492	3163
10-20	555	2820	3375
5-10	427	2568	2995
1-5	599	4720	5319
1 or less	756	4844	5600
Total	3415	17720	21135
Maximum (mSv)	188.14	199.42	199.42
Average (mSv)	19.21	9.34	10.93

• Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the lens of the eyes is 150mSv/year (the emergency exposure dose limit is 300mSv).

• Seven TEPCO's employees and three contractors shown in the "150-200" cell of the dose range above were exposed to radiation during the period when the dose limit for radiation workers engaged in emergency work was set at 300mSv.

FY2012

Dose ranges (mSv)	April 2012-March 2013		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	1	54	55
20-50	65	733	798
10-20	133	1970	2103
5-10	259	1843	2102
1-5	580	3295	3875
1 or less	588	4220	4808
Total	1626	12115	13741
Maximum (mSv)	55.60	67.30	67.30
Average (mSv)	4.55	6.31	6.10

FY2013

Dose ranges (mSv)	April 2013-March 2014		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	1	1
75-100	0	1	1
50-75	2	34	36
20-50	52	835	887
10-20	100	2050	2150
5-10	210	1829	2039
1-5	644	3620	4264
1 or less	684	4684	5368
Total	1692	13054	14746
Maximum (mSv)	68.30	106.88	106.88
Average (mSv)	3.78	6.10	5.83

## FY2014

Dose ranges (mSv)	April 2014-March 2015		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	1	70	71
20-50	12	1232	1244
10-20	68	2605	2673
5-10	159	2640	2799
5-1	630	5183	5813
1 or less	818	7312	8130
Total	1688	19042	20730
Maximum (mSv)	56.50	62.91	62.91
Average (mSv)	2.42	5.97	5.68

## FY2015

Dose ranges (mSv)	April 2015-March 2016		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	0	0
75-100	0	6	6
50-75	0	44	44
20-50	8	879	887
10-20	52	2079	2131
5-10	114	2180	2294
5-1	529	4788	5317
1 or less	994	6523	7517
Total	1697	16499	18196
Maximum (mSv)	24.43	87.90	87.90
Average (mSv)	1.92	5.31	4.99

## FY2016

Dose ranges (mSv)	April 2016-March 2017		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	0	0
75-100	0	1	1
50-75	0	20	20
20-50	0	380	380
10-20	25	1302	1327
5-10	92	1477	1569
5-1	406	4080	4486
1 or less	1155	6897	8052
Total	1678	14157	15835
Maximum (mSv)	16.30	75.30	75.30
Average (mSv)	1.30	3.71	3.45

## FY2017

Dose ranges (mSv)	April 2017-March 2018		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	0	0
75-100	0	6	6
50-75	0	42	42
20-50	0	267	267
10-20	22	1233	1255
5-10	87	1138	1225
5-1	303	3317	3620
1 or less	1118	6410	7528
Total	1530	12413	13943
Maximum (mSv)	19.80	86.20	86.20
Average (mSv)	1.19	3.77	3.48

## FY2018

( Including inside of full-face mask )

Dose ranges (mSv)	April 2018-March 2019		
	TEPCO's employees	Contractors	Total
Above 150	0	0	0
100-150	0	0	0
75-100	0	0	0
50-75	0	0	0
20-50	0	46	46
10-20	23	888	911
5-10	70	963	1033
5-1	256	2805	3061
1 or less	1094	5161	6255
Total	1443	9863	11306
Maximum (mSv)	15.73	26.32	26.32
Average (mSv)	1.07	2.89	2.66

Note)

•The values of the exposure dose and the number of the workers in the table above are subject to change, because there are cases that 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 Seismic Isolation Building) need to be updated in the table after the publication of the data.

•Equivalent dose is a measure of the radiation dose to organs and tissues, and the equivalent dose limit to the lens of the eyes is 150mSv/year (the emergency exposure dose limit is 300mSv).

•From FY2018, our own equivalent dose limit to the lens of the eyes has been used and the equivalent dose is measured with one of the following method:

①The case of using dosimeter put inside full-face mask

②The case of using dosimeter put around the chest, the abdomen or the head and neck (excluding the case of ①)