

**Exposure Dose Distribution of the Workers at Fukushima Daiichi
Nuclear Power Plant**

(Updated on 30 November 2020)

1 Radiation Exposure Dose Distributions

(1) The distribution of external exposure dose of the workers during the last 3 months

(Numbers of workers who entered each area every month)

Effective dose (E) mSv	August 2020			September 2020			October 2020		
	TEPCO	Contractors	Total	TEPCO	Contractors	Total	TEPCO	Contractors	Total
100<E	0	0	0	0	0	0	0	0	0
75<E≤100	0	0	0	0	0	0	0	0	0
50<E≤75	0	0	0	0	0	0	0	0	0
20<E≤50	0	0	0	0	0	0	0	0	0
10<E≤20	0	0	0	0	1	1	0	1	1
5<E≤10	0	4	4	0	32	32	1	29	30
1<E≤5	5	407	412	13	496	509	11	524	535
E≤1	951	4969	5920	1048	5001	6049	947	5111	6058
Total	956	5380	6336	1061	5530	6591	959	5665	6624
Maximum (mSv)	1.44	5.40	5.40	2.70	10.51	10.51	6.99	10.41	10.41
Average (mSv)	0.08	0.26	0.24	0.10	0.34	0.30	0.12	0.36	0.32

(*) Exposure doses and the number of workers are subject to change due to the replacement of accumulated doses measured using PAD with monthly doses measured using an integrating dosimeter and the reflection of values for workers wearing only an integrating dosimeter (e.g., workers working only within a seismically isolated building).

(2) Combined Cumulative Effective Dose from April 2016 (Internal and External)

Effective dose € mSv	April 2016 - September 2020			April 2016 - October 2020			Difference		
	TEPCO	Contractors	Total	TEPCO	Contractors	Total	TEPCO	Contractors	Total
100<E	0	0	0	0	0	0	0	0	0
75<E≤100	0	34	34	0	38	38	0	4	4
50<E≤75	0	286	286	1	298	299	1	12	13
20<E≤50	79	1911	1990	81	1932	2013	2	21	23
10<E≤20	146	2341	2487	148	2354	2502	2	13	15
5<E≤10	194	2470	2664	195	2476	2671	1	6	7
1<E≤5	593	4589	5182	597	4622	5219	4	33	37
E≤1	1354	9913	11267	1379	9974	11353	25	61	86
Total	2366	21544	23910	2401	21694	24095	35	150	185
Maximum (mSv)	49.35	87.00	87.00	56.34	87.25	87.25	-	-	-
Average (mSv)	3.09	6.68	6.32	3.09	6.72	6.36	-	-	-

(*) Exposure doses and the number of workers are subject to change due to the replacement of accumulated doses measured using PAD with monthly doses measured using an integrating dosimeter and the reflection of values for workers wearing only an integrating dosimeter (e.g., workers working only within a seismically isolated building).

(3) Combined Cumulative Effective Dose from April 2020 (Internal and External)

Effective dose (E) mSv	April 2020 - September 2020			April 2020 - October 2020			Difference		
	TEPCO	Contractors	Total	TEPCO	Contractors	Total	TEPCO	Contractors	Total
100<E	0	0	0	0	0	0	0	0	0
75<E≤100	0	0	0	0	0	0	0	0	0
50<E≤75	0	0	0	0	0	0	0	0	0
20<E≤50	0	0	0	0	0	0	0	0	0
10<E≤20	0	251	251	1	332	333	1	81	82
5<E≤10	10	671	681	14	734	748	4	63	67
1<E≤5	169	1396	1565	186	1556	1742	17	160	177
E≤1	999	4914	5913	1032	4914	5946	33	0	33
Total	1178	7232	8410	1233	7536	8769	55	304	359
Maximum (mSv)	8.96	17.30	17.30	10.59	18.47	18.47	-	-	-
Average (mSv)	0.47	1.71	1.54	0.54	1.91	1.72	-	-	-

(*) Exposure doses and the number of workers are subject to change due to the replacement of accumulated doses measured using PAD with monthly doses measured using an integrating dosimeter and the reflection of values for workers wearing only an integrating dosimeter (e.g., workers working only within a seismically isolated building).

(4) Distribution of sum of external exposure dose and internal exposure dose of workers engaged in specified high-dose work

(Specified high-dose work has not been performed since October 2015.)

Effective dose (E) mSv	March 2011 - September 2015
100<E	1
75<E≤100	191
50<E≤75	233
20<E≤50	267
10<E≤20	186
5<E≤10	129
1<E≤5	145
E≤1	51
Total	1203
Maximum (mSv)	102.69
Average (mSv)	36.49

(As specified high-dose work has not been performed since October 2015, the table shows the data up to September 2015.)

(*) Workers engaged in work to which dose limit (100 mSv) during emergency work is applied in line with Article 7 of the Ordinance on Prevention of Ionizing Radiation Hazards.

Specifically, these workers are those who are engaged in work to maintain the functions of a nuclear reactor facility or spent fuel storage pool, or in work to maintain functions to suppress or prevent the possible release of a large amount of radioactive materials due to a failure of or damage to the nuclear reactor facility at a location around the nuclear reactor facility, steam turbine, or accessory facility where hourly dose may exceed 0.1 mSv.

It should be noted that only TEPCO employees have so far been engaged in specified high-dose work.

(*) The number of workers engaged in specified high-dose work is that of workers who were registered as such at least once during the period between March 2011 and September 2015.

(*) Exposure doses and the number of workers are subject to change due to the replacement of accumulated doses

measured using PAD with monthly doses measured using an integrating dosimeter and the reflection of values for workers wearing only an integrating dosimeter (e.g., workers working only within a seismically isolated building).

- (*) The results of re-evaluating committed doses in March 2011 reveal that maximum cumulative effective doses for the period between March 2011 and September 2015 exceeded 100.