

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

(Updated on 1 May 2015)

1 Number of Workers (Later than 11 March 2011)

	Persons	Increase	Emergency Workers(*)	Updated on
Total Workers	42,610	526	19,675	As of 31 March 2015 (Obtained on 30 April)
TEPCO	4,430	7	3,636	
Contractors	38,180	519	16,039	

(*) As of November 2014; Including workers to whom emergency dose limits apply

2 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	January 2015			February 2015			March 2015		
	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	1	1	0	36	36	0	104	104
5<E<=10	0	56	56	6	285	291	2	479	481
1<E<=5	37	1,513	1,550	74	2,214	2,288	65	2,477	2,542
E<= 1	1,111	8,512	9,623	1,096	8,497	9,593	950	7,762	8,712
Total	1,148	10,082	11,230	1,176	11,032	12,208	1,017	10,822	11,839
Maximum (mSv)	4.20	12.80	12.80	8.00	16.80	16.80	5.49	18.80	18.80
Average (mSv)	0.22	0.56	0.53	0.33	0.89	0.83	0.27	1.14	1.07

(*) 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 March 2011 (Internal and External)

Effective dose (E) mSv	March 2011- February 2015			March 2011- March 2015			Difference		
	TEPCO	Contractors	Total	TEPCO	Contractors	Total	TEPCO	Contractors	Total
250<E	6	0	6	6	0	6	0	0	0
200<E<=250	1	2	3	1	2	3	0	0	0
150<E<=200	26	2	28	26	2	28	0	0	0
100<E<=150	117	20	137	117	20	137	0	0	0
75<E<=100	292	182	474	293	195	488	1	13	14
50<E<=75	329	1,324	1,653	329	1,358	1,687	0	34	34
20<E<=50	619	5,560	6,179	622	5,687	6,309	3	127	130
10<E<=20	590	5,042	5,632	595	5,363	5,958	5	321	326
5<E<=10	493	4,928	5,421	492	5,027	5,519	-1	99	98
1<E<=5	820	9,160	9,980	824	9,046	9,870	4	-114	-110
E<= 1	1,130	11,441	12,571	1,125	11,480	12,605	-5	39	34
Total	4,423	37,661	42,084	4,430	38,180	42,610	7	519	526
Maximum (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Average (mSv)	23.10	10.85	12.14	23.13	11.03	12.29	-	-	-

(*) Number of new comers in March 2015 was 526.

(*) There has been no significant internal exposure reported since October 2011.

(*) 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 2014 (Internal and External)

Effective dose (E) mSv	April 2014- February 2015			April 2014- March 2015			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	9	835	844	11	981	992	2	146	148
10<E<=20	39	2,038	2,077	57	2,568	2,625	18	530	548
5<E<=10	159	2,664	2,823	154	2,784	2,938	-5	120	115
1<E<=5	606	5,457	6,063	631	5,307	5,938	25	-150	-125
E<= 1	863	7,362	8,225	832	7,370	8,202	-31	8	-23
Total	1,676	18,356	20,032	1,685	19,010	20,695	9	654	663
Maximum(mSv)	28.20	39.85	39.85	29.50	39.85	39.85	-	-	-
Average(mSv)	2.09	4.75	4.52	2.25	5.23	4.99	-	-	-

(*) 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) Combined Cumulative Effective Dose of Workers to Whom Emergency Dose Limits Apply*

Effective dose (E) mSv	Jan. 2015	Feb. 2015	Mar. 2015	March 2011- March 2015
100<E	0	0	0	1
75<E<=100	0	0	0	181
50<E<=75	0	0	0	225
20<E<=50	0	0	0	253
10<E<=20	0	0	0	170
5<E<=10	0	0	2	133
1<E<=5	34	67	59	144
E<= 1	583	546	532	29
Total	617	613	593	1,136
Maximum (mSv)	4.20	3.80	5.49	102.69
Average (mSv)	0.31	0.42	0.37	37.07

(*) Workers under the application of the emergency dose limit (100mSv) shown in Article 7 of the Ordinance on Prevention of Ionizing Radiation Hazards.

Specifically, they are workers engaged in work to maintain the function of cooling reactors or spent fuel tanks or to maintain the function to control or prevent the release of a huge amount of radioactive material due to trouble or a breakdown at a reactor facility, in an area where radiation dose rates exceed 0.1 mSv/h, around any reactor facilities, steam turbines and related facilities, and the vicinity thereof in the NPP. Until now, all designated workers have been TEPCO employees.

(*) The monthly number of workers to whom emergency dose limits apply is the number of workers who have filed applications as such. However, the cumulative number for the period between March 2011 and March 2015 includes those whose designation was removed.

(*) 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 March 2015 exceeded 100.