

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

(Updated on 31 March 2015)

1 Number of Workers (Later than 11 March 2011)

	Persons	Increase	Emergency Workers(*)	Updated on
Total Workers	42,005	770	19,675	As of 28 February, 2015 (Obtained on 31 March)
TEPCO	4,420	10	3,636	
Contractors	37,585	760	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	December 2014			January 2015			February 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	34	34	0	1	1	0	32	32
5<E<=10	0	283	283	0	56	56	6	234	240
1<E<=5	60	1,912	1,972	37	1,513	1,550	65	2,224	2,289
E<= 1	1,099	8,240	9,339	1,111	8,512	9,623	976	8,077	9,053
Total	1,159	10,469	11,628	1,148	10,082	11,230	1,047	10,567	11,614
Maximum (mSv)	4.30	16.74	16.74	4.20	12.80	12.80	7.58	16.70	16.70
Average (mSv)	0.24	0.85	0.79	0.22	0.56	0.53	0.30	0.86	0.81

(*) 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- January 2015			March 2011- February 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	290	176	466	291	181	472	1	5	6
50<E<=75	330	1,286	1,616	330	1,324	1,654	0	38	38
20<E<=50	617	5,440	6,057	618	5,548	6,166	1	108	109
10<E<=20	581	4,985	5,566	588	5,045	5,633	7	60	67
5<E<=10	493	4,722	5,215	496	4,925	5,421	3	203	206
1<E<=5	811	8,882	9,693	818	9,164	9,982	7	282	289
E<= 1	1,138	11,310	12,448	1,129	11,374	12,503	-9	64	55
Total	4,410	36,825	41,235	4,420	37,585	42,005	10	760	770
Maximum (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Average (mSv)	23.08	10.83	12.14	23.10	10.86	12.14	-	-	-

(*) Number of new comers in February 2015 was 770.

(*) 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- January 2015			April 2014- February 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	6	697	703	9	818	827	3	121	124
10<E<=20	20	1,788	1,808	35	2,036	2,071	15	248	263
5<E<=10	151	2,463	2,614	160	2,664	2,824	9	201	210
1<E<=5	583	5,136	5,719	601	5,439	6,040	18	303	321
E<= 1	893	7,270	8,163	865	7,321	8,186	-28	51	23
Total	1,653	17,354	19,007	1,670	18,278	19,948	17	924	941
Maximum(mSv)	25.70	39.85	39.85	28.20	39.85	39.85	-	-	-
Average(mSv)	1.89	4.45	4.23	2.06	4.73	4.50	-	-	-

(*) 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	Dec. 2014	Jan. 2015	Feb. 2015	March 2011- February 2015
100<E	0	0	0	1
75<E<=100	0	0	0	179
50<E<=75	0	0	0	225
20<E<=50	0	0	0	250
10<E<=20	0	0	0	167
5<E<=10	0	0	0	135
1<E<=5	57	34	58	145
E<= 1	570	583	519	32
Total	627	617	577	1,134
Maximum (mSv)	4.30	4.20	3.23	102.69
Average (mSv)	0.35	0.31	0.34	36.87

(*) 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 February 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 February 2015 exceeded 100.