

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

(Updated on 30 June 2014)

1 Number of Workers (Later than 11 March 2011)

	Persons	Increase	Emergency workers(*)	Updated on
Total Workers	35,087	882	19,346	As of 30 May, 2014 (Obtained on 30 June)
TEPCO	4,205	35	3,391	
Contractors	30,882	847	15,955	

(*) As of the end of December 2011; Targeted workers are now being identified by closely examining the database.

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	March 2014			April 2014			May 2014		
	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	1	1
10<E<=20	0	23	23	0	19	19	0	33	33
5<E<=10	0	227	227	1	234	235	0	180	180
1<E<=5	85	1,867	1,952	94	1,743	1,837	49	1,698	1,747
E<= 1	1,012	4,940	5,952	999	5,438	6,437	954	5,792	6,746
Total	1,097	7,057	8,154	1,094	7,434	8,528	1,003	7,704	8,707
Maximum (mSv)	4.80	18.49	18.49	5.70	16.00	16.00	4.91	20.70	20.70
Average (mSv)	0.36	1.07	0.98	0.38	0.98	0.91	0.25	0.89	0.82

(*) 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

(2) Combined Cumulative Effective Dose from March 2011 (Internal and External)

Effective dose (E) mSv	March 2011-April 2014			March 2011-May 2014			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	25	2	27	25	2	27	0	0	0
100<E<=150	118	20	138	118	20	138	0	0	0
75<E<=100	272	134	406	273	136	409	1	2	3
50<E<=75	322	980	1,302	322	1,013	1,335	0	33	33
20<E<=50	608	4,563	5,171	609	4,661	5,270	1	98	99
10<E<=20	556	4,223	4,779	562	4,264	4,826	6	41	47
5<E<=10	458	3,971	4,429	459	4,040	4,499	1	69	70
1<E<=5	730	7,475	8,205	738	7,747	8,485	8	272	280
E<= 1	1,074	8,665	9,739	1,092	8,997	10,089	18	332	350
Total	4,170	30,035	34,205	4,205	30,882	35,087	35	847	882
Maximum (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Average (mSv)	23.58	10.95	12.49	23.45	10.87	12.38	-	-	-

(*) The number of new comers in May 2014 was 882.

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

(*) Effective doses have been changed due to the re-evaluation of committed doses, etc.

(*) 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

(3) Combined Cumulative Effective Dose from April 2014 (Internal and External)

Effective dose (E) mSv	April 2014			April 2014-May 2014			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	4	4	0	4	4
10<E<=20	0	19	19	0	164	164	0	145	145
5<E<=10	1	234	235	8	539	547	7	305	312
1<E<=5	94	1,743	1,837	198	2,885	3,083	104	1,142	1,246
E<= 1	999	5,438	6,437	1,004	5,378	6,382	5	-60	-55
Total	1,094	7,434	8,528	1,210	8,970	10,180	116	1,536	1,652
Maximum (mSv)	5.70	16.00	16.00	8.61	28.82	28.82	-	-	-
Average (mSv)	0.38	0.98	0.91	0.55	1.58	1.46	-	-	-

(*) 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

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

Effective dose (E) mSv	Mar 2014	Apr 2014	May 2014	March 2011-May 2014
100<E	0	0	0	1
75<E<=100	0	0	0	163
50<E<=75	0	0	0	213
20<E<=50	0	0	0	241
10<E<=20	0	0	0	145
5<E<=10	0	0	0	111
1<E<=5	84	86	44	130
E<= 1	534	520	543	41
Total	618	606	587	1,045
Maximum (mSv)	4.80	4.80	4.91	102.69
Average (mSv)	0.51	0.52	0.32	37.12

(*) 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 May 2014 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

(*) The results of re-evaluating committed doses in March 2011 reveal that maximum cumulative effective doses for the period between March 2011 and May 2014 exceeded 100.