

Status of Radiation Exposure Dose of TEPCO's Fukushima Daiichi NPP

(Updated June 28, 2013)

1 Number of Workers (Later than March 11, 2011)

	person	increase	Emergency Workers(*)	Date Update
Total Workers	28,279	382	19,346	31-May-13
TEPCO	3,799	20	3,391	
Contractors	24,480	362	15,955	

*Tentative Number

2 Radiation Exposure Dose Distribution

(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	Mar-13			Apr-13			May-13		
	TEPCO	Contractos	Total	TEPCO	Contractos	Total	TEPCO	Contractos	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	2	35	37	0	5	5	0	4	4
5<E<=10	10	335	345	4	111	115	4	73	77
1<E<=5	140	1,706	1,846	107	1,165	1,272	87	961	1,048
E<= 1	846	3,901	4,747	950	4,030	4,980	734	3,827	4,561
Total	998	5,977	6,975	1,061	5,311	6,372	825	4,865	5,690
Maximum (mSv)	11.03	19.30	19.30	5.90	14.40	14.40	7.54	15.35	15.35
Average (mSv)	0.60	1.35	1.24	0.49	0.88	0.81	0.44	0.77	0.72

* Measured by PAD. These data may fluctuate due to replacing data to monthly dose data measured by integral dosimeter.

*The workers in March and April 2013 increased in number because workers who used passive dosimeters only were included.

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

Effective Dose (E) mSv	March 2011-April 2013			March 2011-May 2013			Difference		
	TEPCO	Contractos	Total	TEPCO	Contractos	Total	TEPCO	Contractos	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	22	2	24	22	2	24	0	0	0
100<E<=150	117	17	134	117	17	134	0	0	0
75<E<=100	239	78	317	241	78	319	2	0	2
50<E<=75	302	564	866	303	588	891	1	24	25
20<E<=50	614	3,649	4,263	613	3,702	4,315	-1	53	52
10<E<=20	497	3,553	4,050	508	3,567	4,075	11	14	25
5<E<=10	426	3,285	3,711	425	3,295	3,720	-1	10	9
1<E<=5	624	6,143	6,767	621	6,226	6,847	-3	83	80
E<= 1	931	6,825	7,756	942	7,003	7,945	11	178	189
Total	3,779	24,118	27,897	3,799	24,480	28,279	20	362	382
Maximum (mSv)	678.80	238.42	678.80	678.80	238.42	678.80	-	-	-
Average (mSv)	24.47	10.39	12.30	24.44	10.39	12.28	-	-	-

* Number of New comer in May was 382.

* External exposure was measured by PAD. These data may fluctuate due to replacing data to monthly dose data measured by integral dosimeter.

*There has been no significant internal exposure reported since October 2011. A part of internal exposure data is under review, and subject to change.

* Internal doses are subject to change, due to the re-evaluation of doses.

* The workers in March and April 2013 increased in number because workers who used passive dosimeters only were included.

(3) Combined Cumulative Effective Dose from April 2013 (Internal and external)

Effective Dose (E) mSv	April 2013-April 2013			April 2013-May 2013			Difference		
	TEPCO	Contractos	Total	TEPCO	Contractos	Total	TEPCO	Contractos	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	3	3	0	3	3
10<E<=20	0	5	5	1	55	56	1	50	51
5<E<=10	4	111	115	19	321	340	15	210	225
1<E<=5	107	1,165	1,272	228	1,781	2,009	121	616	737
E<= 1	950	4,030	4,980	880	3,969	4,849	-70	-61	-131
Total	1,061	5,311	6,372	1,128	6,129	7,257	67	818	885
Maximum (mSv)	5.90	14.40	14.40	12.44	22.37	22.37	-	-	-
Average (mSv)	0.49	0.88	0.81	0.78	1.37	1.28	-	-	-

* Measured by PAD. These data may fluctuate due to replacing data to monthly dose data measured by integral dosimeter.

* The workers in March and April 2013 increased in number because workers who used passive dosimeters only were included.

(3) Combined Cumulative Effective Dose of Emergency Dose Limites Applied Workers*

Effective Dose (E) mSv	Mar-13	Apr-13	May-13	March 2011-May 2013
100<E	0	0	0	0
75<E<=100	0	0	0	132
50<E<=75	0	0	0	191
20<E<=50	0	0	0	220
10<E<=20	0	0	0	69
5<E<=10	5	4	2	65
1<E<=5	122	92	66	39
E<= 1	307	386	330	17
Total	434	482	398	733
Maximum (mSv)	7.84	5.90	7.54	95.79
Average (mSv)	0.89	0.73	0.51	44.26

* The workers are under application of Emergency dose limit (100mSv) shown in "Ordinance on Prevention of Ionizing Radiation Hazards, chapter 7." Specifically, it means the workers who engaged in work to maintain the function of cooling reactors or spent fuel tanks or work to maintain the function to control or prevent the release of a huge amount radioactive material due to trouble or break of the reactor facility, at the area where the radiation dose rate exceed 0.1 mSv/h around reactor facilities, steam turbines and related facilities and surrounding area in the NPP. Until now, all designated workers are TEPCO Employees.

* From this report, the number of emergency workers in each month exclude those who are not engaged in emergency work in the said month.