

(2) Nuclear Power Reactor Facilities at the Research and Development Stage

Facility	Category of radiation worker	No. of radiation workers (persons)					
		5 mSv or less	Greater than 5 mSv and no more than 10 mSv	Greater than 10 mSv and no more than 15 mSv	Greater than 15 mSv and no more than 20 mSv	Greater than 20 mSv and no more than 25 mSv	Greater than 25 mSv and no more than 30 mSv
Japan Atomic Energy Agency, Fugen Decommissioning Engineering Center	Employees	102	0	0	0	0	0
	Others	341	0	0	0	0	0
	Total	443	0	0	0	0	0
Japan Atomic Energy Agency, Sector of Fast Reactor Research and Development, Prototype Fast Breeder Reactor Monju	Employees	402	0	0	0	0	0
	Others	1,079	0	0	0	0	0
	Total	1,481	0	0	0	0	0
Grand total	Employees	504	0	0	0	0	0
	Others	1,420	0	0	0	0	0
	Total	1,924	0	0	0	0	0

No. of radiation workers (persons)						Collective dose (person-Sv)	Average individual dose (mSv)	Maximum individual dose (mSv)
Greater than 30 mSv and no more than 35 mSv	Greater than 35 mSv and no more than 40 mSv	Greater than 40 mSv and no more than 45 mSv	Greater than 45 mSv and no more than 50 mSv	Greater than 50 mSv	Total			
0	0	0	0	0	102	0.01	0.1	2.2
0	0	0	0	0	341	0.04	0.1	3.1
0	0	0	0	0	443	0.05	0.1	3.1
0	0	0	0	0	402	0.00	0.0	0.0
0	0	0	0	0	1,079	0.00	0.0	0.0
0	0	0	0	0	1,481	0.00	0.0	0.0
0	0	0	0	0	504	0.01	0.0	2.2
0	0	0	0	0	1,420	0.04	0.0	3.1
0	0	0	0	0	1,924	0.05	0.0	3.1

(3) Fuel Fabrication Facilities

Facility	Category of radiation worker	No. of radiation workers (persons)					
		5 mSv or less	Greater than 5 mSv and no more than 10 mSv	Greater than 10 mSv and no more than 15 mSv	Greater than 15 mSv and no more than 20 mSv	Greater than 20 mSv and no more than 25 mSv	Greater than 25 mSv and no more than 30 mSv
Global Nuclear Fuel-Japan Co., Ltd.	Employees	256	0	0	0	0	0
	Others	146	0	0	0	0	0
	Total	402	0	0	0	0	0
Mitsubishi Nuclear Fuel Co., Ltd.	Employees	178	0	0	0	0	0
	Others	63	0	0	0	0	0
	Total	241	0	0	0	0	0
Nuclear Fuel Industries, Ltd., Tokai Works	Employees	187	0	0	0	0	0
	Others	71	0	0	0	0	0
	Total	258	0	0	0	0	0
Nuclear Fuel Industries, Ltd., Kumatori Works	Employees	127	0	0	0	0	0
	Others	73	0	0	0	0	0
	Total	200	0	0	0	0	0
Japan Atomic Energy Agency, Uranium Enrichment Demonstration Plant	Employees	71	0	0	0	0	0
	Others	118	0	0	0	0	0
	Total	189	0	0	0	0	0
Japan Nuclear Fuel Ltd., Enrichment and Disposal Office (Uranium Enrichment Plant)	Employees	181	0	0	0	0	0
	Others	429	0	0	0	0	0
	Total	610	0	0	0	0	0
Grand total	Employees	1,000	0	0	0	0	0
	Others	900	0	0	0	0	0
	Total	1,900	0	0	0	0	0

(4) Reprocessing Facilities

Facility	Category of radiation worker	No. of radiation workers (persons)					
		5 mSv or less	Greater than 5 mSv and no more than 10 mSv	Greater than 10 mSv and no more than 15 mSv	Greater than 15 mSv and no more than 20 mSv	Greater than 20 mSv and no more than 25 mSv	Greater than 25 mSv and no more than 30 mSv
Japan Atomic Energy Agency, Reprocessing Facility	Employees	360	1	0	0	0	0
	Others	758	6	0	0	0	0
	Total	1,118	7	0	0	0	0
Japan Nuclear Fuel Ltd., Reprocessing Plant (Reprocessing Facility)	Employees	1,199	0	0	0	0	0
	Others	3,798	0	0	0	0	0
	Total	4,997	0	0	0	0	0
Grand total	Employees	1,559	1	0	0	0	0
	Others	4,556	6	0	0	0	0
	Total	6,115	7	0	0	0	0

(5) Waste Disposal Facilities and Waste Management Facilities

Facility	Category of radiation worker	No. of radiation workers (persons)					
		5 mSv or less	Greater than 5 mSv and no more than 10 mSv	Greater than 10 mSv and no more than 15 mSv	Greater than 15 mSv and no more than 20 mSv	Greater than 20 mSv and no more than 25 mSv	Greater than 25 mSv and no more than 30 mSv
Japan Nuclear Fuel Ltd., Enrichment and Disposal Office (Low-level Radioactive Waste Disposal Center)	Employees	84	0	0	0	0	0
	Others	261	0	0	0	0	0
	Total	345	0	0	0	0	0
Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Storage Facility)	Employees	193	0	0	0	0	0
	Others	800	0	0	0	0	0
	Total	993	0	0	0	0	0
Japan Atomic Energy Agency, Disposal Facility	Employees	/	/	/	/	/	/
	Others	/	/	/	/	/	/
	Total	/	/	/	/	/	/
Japan Atomic Energy Agency, Radioactive Waste Management Facility	Employees	34	0	0	0	0	0
	Others	205	0	0	0	0	0
	Total	239	0	0	0	0	0
Grand total	Employees	311	0	0	0	0	0
	Others	1,266	0	0	0	0	0
	Total	1,577	0	0	0	0	0

No. of radiation workers (persons)						Collective dose (person-Sv)	Average individual dose (mSv)	Maximum individual dose (mSv)
Greater than 30 mSv and no more than 35 mSv	Greater than 35 mSv and no more than 40 mSv	Greater than 40 mSv and no more than 45 mSv	Greater than 45 mSv and no more than 50 mSv	Greater than 50 mSv	Total			
0	0	0	0	0	256	0.01	0.1	1.5
0	0	0	0	0	146	0.00	0.0	0.1
0	0	0	0	0	402	0.01	0.1	1.5
0	0	0	0	0	178	0.00	0.0	0.6
0	0	0	0	0	63	0.00	0.0	0.0
0	0	0	0	0	241	0.00	0.0	0.6
0	0	0	0	0	187	0.02	0.1	1.1
0	0	0	0	0	71	0.00	0.0	0.2
0	0	0	0	0	258	0.02	0.1	1.1
0	0	0	0	0	127	0.00	0.0	0.2
0	0	0	0	0	73	0.00	0.0	0.0
0	0	0	0	0	200	0.00	0.0	0.2
0	0	0	0	0	71	0.00	0.0	0.0
0	0	0	0	0	118	0.00	0.0	0.1
0	0	0	0	0	189	0.00	0.0	0.1
0	0	0	0	0	181	0.00	0.0	0.8
0	0	0	0	0	429	0.00	0.0	0.1
0	0	0	0	0	610	0.00	0.0	0.8
0	0	0	0	0	1,000	0.03	0.0	1.5
0	0	0	0	0	900	0.00	0.0	0.2
0	0	0	0	0	1,900	0.03	0.0	1.5

No. of radiation workers (persons)						Collective dose (person-Sv)	Average individual dose (mSv)	Maximum individual dose (mSv)
Greater than 30 mSv and no more than 35 mSv	Greater than 35 mSv and no more than 40 mSv	Greater than 40 mSv and no more than 45 mSv	Greater than 45 mSv and no more than 50 mSv	Greater than 50 mSv	Total			
0	0	0	0	0	361	0.04	0.1	8.4
0	0	0	0	0	764	0.10	0.1	8.3
0	0	0	0	0	1,125	0.14	0.1	8.4
0	0	0	0	0	1,199	0.01	0.0	0.5
0	0	0	0	0	3,798	0.04	0.0	1.8
0	0	0	0	0	4,997	0.05	0.0	1.8
0	0	0	0	0	1,560	0.05	0.0	8.4
0	0	0	0	0	4,562	0.14	0.0	8.3
0	0	0	0	0	6,122	0.19	0.0	8.4

No. of radiation workers (persons)						Collective dose (person-Sv)	Average individual dose (mSv)	Maximum individual dose (mSv)
Greater than 30 mSv and no more than 35 mSv	Greater than 35 mSv and no more than 40 mSv	Greater than 40 mSv and no more than 45 mSv	Greater than 45 mSv and no more than 50 mSv	Greater than 50 mSv	Total			
0	0	0	0	0	84	0.00	0.0	0.1
0	0	0	0	0	261	0.00	0.0	0.0
0	0	0	0	0	345	0.00	0.0	0.1
0	0	0	0	0	193	0.00	0.0	0.0
0	0	0	0	0	800	0.00	0.0	0.0
0	0	0	0	0	993	0.00	0.0	0.0
/	/	/	/	/	/	/	/	/
0	0	0	0	0	34	0.00	0.0	0.3
0	0	0	0	0	205	0.00	0.0	0.6
0	0	0	0	0	239	0.00	0.0	0.6
0	0	0	0	0	311	0.00	0.0	0.3
0	0	0	0	0	1,266	0.00	0.0	0.6
0	0	0	0	0	1,577	0.00	0.0	0.6

**Table 9 Radiation Dose of Radiation Workers in FY2015
(Nuclear Reactor Facilities for Test and Research, etc.)**

Site name / Category			Dose distribution for radiation workers (persons)						FY2015			FY2014			
			5 mSv or less	Greater than 5 mSv and no more than 15 mSv	Greater than 15 mSv and no more than 20 mSv	Greater than 20 mSv and no more than 25 mSv	Greater than 25 mSv and no more than 50 mSv	Greater than 50 mSv	No. of radiation workers (persons)	Collective dose (person-mSv)	Average dose (mSv)	No. of radiation workers (persons)	Collective dose (person-mSv)	Average dose (mSv)	
Japan Atomic Energy Agency	Nuclear Science Research Institute	Employees	314	0	0	0	0	0	314	16	0.1	330	3	0.0	*2
		Others	601	0	0	0	0	0	601	13	0.0	729	13	0.0	
		Total	915	0	0	0	0	0	915	29	0.0	1,059	16	0.0	
	Oarai Research and Development Center (North Area)	Employees	121	0	0	0	0	0	121	0	0.0	119	0	0.0	*2
		Others	450	0	0	0	0	0	450	0	0.0	378	0	0.0	
		Total	571	0	0	0	0	0	571	0	0.0	497	0	0.0	
	Oarai Research and Development Center (South Area)	Employees	100	0	0	0	0	0	100	3	0.0	113	2	0.0	*2
		Others	362	0	0	0	0	0	362	24	0.1	429	15	0.0	
		Total	462	0	0	0	0	0	462	27	0.1	542	17	0.0	
	Aomori Research and Development Center, Mutsu Office	Employees	22	0	0	0	0	0	22	0	0.0	23	0	0.0	
Others		33	0	0	0	0	0	33	0	0.0	32	0	0.0		
Total		55	0	0	0	0	0	55	0	0.0	55	0	0.0		
The University of Tokyo, Graduate School of Engineering, Nuclear Professional School	Employees	54	0	0	0	0	0	54	0	0.0	57	3	0.0	*3	
	Others	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total	54	0	0	0	0	0	54	0	0.0	57	3	0.0		
Kyoto University, Research Reactor Institute	Employees	174	0	0	0	0	0	174	14	0.1	188	19	0.1	*3	
	Others	178	0	0	0	0	0	178	0	0.0	276	0	0.0		
	Total	352	0	0	0	0	0	352	14	0.0	464	20	0.0		
Rikkyo University, Institute for Atomic Energy	Employees	4	0	0	0	0	0	4	0	0.0	4	0	0.0		
	Others	26	0	0	0	0	0	26	0	0.0	6	0	0.0		
	Total	30	0	0	0	0	0	30	0	0.0	10	0	0.0		
Tokyo City University, Atomic Energy Research Laboratory	Employees	10	0	0	0	0	0	10	0	0.0	9	0	0.0		
	Others	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	10	0	0	0	0	0	10	0	0.0	9	0	0.0		
Kinki University, Atomic Energy Research Institute	Employees	35{18}	0	0	0	0	0	35{18}	0	0.0	43{24}	0	0.0	*4	
	Others	3	0	0	0	0	0	3	0	0.0	3	0	0.0		
	Total	38{18}	0	0	0	0	0	38{18}	0	0.0	46{24}	0	0.0		
Toshiba Corporation	Research Reactor Center	Employees	17	0	0	0	0	0	17	0	0.0	20	0	0.0	
		Others	51	0	0	0	0	0	51	0	0.0	36	0	0.0	
		Total	68	0	0	0	0	0	68	0	0.0	56	0	0.0	
Nuclear Engineering Laboratory	Employees	19	0	0	0	0	0	19	1	0.1	22	1	0.0	*3	
	Others	51	0	0	0	0	0	51	0	0.0	36	0	0.0		
	Total	70	0	0	0	0	0	70	1	0.0	58	1	0.0		
Hitachi, Ltd., Ozenji Hitachi Training Reactor Center	Employees	3	0	0	0	0	0	3	0	0.0	4	0	0.0		
	Others	17	0	0	0	0	0	17	0	0.0	2	0	0.0		
	Total	20	0	0	0	0	0	20	0	0.0	6	0	0.0		
Subtotal	Employees	873	0	0	0	0	0	873	34	0.0	932	28	0.0		
	Others	1,772	0	0	0	0	0	1,772	37	0.0	1,927	28	0.0		
	Total	2,645	0	0	0	0	0	2,645	71	0.0	2,859	56	0.0		

*1: "-" in the "Dose Distribution for Radiation Workers" column indicates there were no applicable radiation workers.

*2: Among radiation workers at the Nuclear Science Research Institute, Tokai Research and Development Center, Japan Atomic Energy Agency (JAEA), the JAEA Oarai Research and Development Center (North Area), and the JAEA Oarai Research and Development Center (South Area), those categorized as radiation workers for both reactor facilities in test and research, etc. and nuclear fuel material use facilities are counted as radiation workers in reactor facilities in test and research, etc.

*3: Among radiation workers at the Nuclear Professional School, Graduate School of Engineering, the University of Tokyo, the Research Reactor Institute, Kyoto University, and the Nuclear Engineering Laboratory, Toshiba Corporation, those categorized as radiation workers for both reactor facilities in test and research, etc. and nuclear fuel material use facilities are counted as radiation workers for both reactor facilities in test and research, etc. and nuclear fuel material use facilities, respectively (doubly counted).

*4: Figures in curly brackets { } for the Atomic Energy Research Institute, Kinki University indicate the number of students of Kinki University's Faculty of Science and Engineering who use the reactor facility for graduate research.

(Note) This table has been prepared as follows (the same applies to Tables 10 through 12).

(1) "Employees" indicates employees of the relevant facility; "others" indicates contractors, etc.

(2) "Collective dose" was counted after rounding off each dose to the first decimal place. "0" indicates less than 0.5 person-mSv.

(3) "Average dose" was counted after rounding each dose to the second decimal place. "0.0" indicates less than 0.05 mSv.

**Table 11 Radiation Dose of Radiation Workers in FY2015
(Nuclear Fuel Material Use Facilities)**

Site name / Category			Dose distribution for radiation workers (persons)						FY2015			FY2014		
			5 mSv or less	Greater than 5 mSv and no more than 15 mSv	Greater than 15 mSv and no more than 20 mSv	Greater than 20 mSv and no more than 25 mSv	Greater than 25 mSv and no more than 50 mSv	Greater than 50 mSv	No. of radiation workers (persons)	Collective dose (persons-mSv)	Average dose (mSv)	No. of radiation workers (persons)	Collective dose (persons-mSv)	Average dose (mSv)
Japan Atomic Energy Agency	Nuclear Science Research Institute	Employees	141	0	0	0	0	141	12	0.1	136	5	0.0	
		Others	263	0	0	0	0	263	53	0.2	332	23	0.1	
		Total	404	0	0	0	0	404	65	0.2	468	28	0.1	
	Nuclear Fuel Cycle Engineering Laboratories	Employees	353	0	0	0	0	353	18	0.1	384	24	0.1	
		Others	954	0	0	0	0	954	180	0.2	1,222	270	0.2	
		Total	1,307	0	0	0	0	1,307	198	0.2	1,606	294	0.2	
Oarai Research and Development Center (North Area)	Employees	80	0	0	0	0	80	0	0.0	79	0	0.0		
	Others	134	0	0	0	0	134	0	0.0	252	2	0.0		
	Total	214	0	0	0	0	214	0	0.0	331	2	0.0		
Oarai Research and Development Center (South Area)	Employees	68	0	0	0	0	68	8	0.1	68	7	0.1		
	Others	265	0	0	0	0	265	5	0.0	270	8	0.0		
	Total	333	0	0	0	0	333	13	0.0	338	15	0.0		
Ningyo-toge Environmental Engineering Center	Employees	79	0	0	0	0	79	0	0.0	74	0	0.0		
	Others	187	0	0	0	0	187	0	0.0	211	1	0.0		
	Total	266	0	0	0	0	266	0	0.0	285	1	0.0		
The University of Tokyo, Graduate School of Engineering, Nuclear Professional School	Employees	(54)	(0)	(0)	(0)	(0)	(54)	(0)	(0.0)	(57)	(3)	(0.0)		
	Others	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
	Total	(54)	(0)	(0)	(0)	(0)	(54)	(0)	(0.0)	(57)	(3)	(0.0)		
Kyoto University, Research Reactor Institute	Employees	(23)	(0)	(0)	(0)	(0)	(23)	(1.9)	(0.1)	(25)	(8.1)	(0.33)		
	Others	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
	Total	(23)	(0)	(0)	(0)	(0)	(23)	(1.9)	(0.1)	(25)	(8.1)	(0.33)		
National Institute of Radiological Sciences	Employees	107	0	0	0	0	107	0	0.0	112	0	0.0		
	Others	106	0	0	0	0	106	1	0.0	121	0	0.0		
	Total	213	0	0	0	0	213	1	0.0	233	1	0.0		
National Institute of Advanced Industrial Science and Technology, Tsukuba Central 2	Employees	10	0	0	0	0	10	0	0.0	15	0	0.0		
	Others	-	-	-	-	-	-	-	-	4	0	0.0		
	Total	10	0	0	0	0	10	0	0.0	19	0	0.0		
Nuclear Material Control Center	Tokai Safeguards Center	Employees	52	0	0	0	0	52	5	0.1	52	6	0.1	
		Others	51	0	0	0	0	51	0	0.0	60	0	0.0	
		Total	103	0	0	0	0	103	5	0.0	112	6	0.1	
Rokkasho Safeguards Center	Employees	34	0	0	0	0	34	0	0.0	38	0	0.0		
	Others	165	0	0	0	0	165	0	0.0	169	0	0.0		
	Total	199	0	0	0	0	199	0	0.0	207	0	0.0		
Nuclear Fuel Industries, Ltd., Tokai Works	Employees	187	0	0	0	0	187	21	0.1	219	21	0.1		
	Others	71	0	0	0	0	71	1	0.0	66	1	0.0		
	Total	258	0	0	0	0	258	22	0.1	285	22	0.1		
Nippon Nuclear Fuel Development Co., Ltd.	Employees	49	0	0	0	0	49	18	0.4	50	20	0.4		
	Others	141	0	0	0	0	141	43	0.3	123	42	0.3		
	Total	190	0	0	0	0	190	61	0.3	173	62	0.4		
Nuclear Development Corporation	Employees	45	0	0	0	0	45	1	0.0	45	3	0.1		
	Others	83	0	0	0	0	83	11	0.1	125	14	0.1		
	Total	128	0	0	0	0	128	13	0.1	170	17	0.1		
Toshiba Corporation, Nuclear Engineering Laboratory	Employees	15	0	0	0	0	15	0	0.0	16	0	0.0		
	Others	42	0	0	0	0	42	0	0.0	30	0	0.0		
	Total	57	0	0	0	0	57	0	0.0	46	0	0.0		
Subtotal		Employees	1,220	0	0	0	0	1,220	83	0.1	1,288	86	0.1	
		Others	2,462	0	0	0	0	2,462	294	0.1	2,985	361	0.1	
		Total	3,682	0	0	0	0	3,682	377	0.1	4,273	447	0.1	

*1: "-" in the "Dose Distribution for Radiation Workers" column indicates there were no applicable radiation workers.

*2: Among radiation workers at the Nuclear Science Research Institute, Japan Atomic Energy Agency (JAEA), the JAEA Oarai Research and Development Center (North Area), and the JAEA Oarai Research and Development Center (South Area), those working in facilities that are also subject to regulation as reactor facilities in test and research, etc. from among nuclear fuel material use facilities categorized as specified in Article 41 of the Cabinet Order for the Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Nuclear Reactors are excluded.

*3: All radiation workers in the Nuclear Professional School, Graduate School of Engineering, the University of Tokyo are excluded from the subtotal because they engage in radiation work both at the reactor facility in test and research, etc. and the nuclear fuel material use facility.

*4: All radiation workers in nuclear fuel material use facility at the Research Reactor Institute, Kyoto University are excluded from the subtotal because they also engage in radiation work at the reactor facilities in test and research, etc.

*5: Tsukuba Central 2 of the National Institute of Advanced Industrial Science and Technology has not been subject to Article 41 of the Cabinet Order for the Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Nuclear Reactors since April 27, 2015, and the National Institute of Radiological Sciences has not been subject to said Article since June 24, 2015; therefore, the value aggregated at the end of April 2015 is used for Tsukuba Central 2 of the National Institute of Advanced Industrial Science and Technology, and the value aggregated at the end of September 2015 is used for the National Institute of Radiological Sciences.

*6: Tokai Works, Nuclear Fuel Industries, Ltd. is also categorized as a fuel manufacturing facility, so all radiation workers there are deemed to be radiation workers both at the nuclear fuel material use facility and the fuel manufacturing facility.