

Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on June 8)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F (approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)		Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/6/7 9:30		2011/6/7 14:05		2011/6/7 9:15		2011/6/7 13:50		2011/6/7 9:30		2011/6/7 7:50	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	30	0.50	25	0.42	16	0.27	23	0.38	ND	-	9.4	0.16	60
Cs-137 (about 30 years)	34	0.38	ND	-	18	0.20	32	0.36	ND	-	7.2	0.08	90

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L

Data of other nuclides are under evaluation.

In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

In the case that the data is below measurable limit (approximately 6Bq/L for I-131, 15Bq/L for Cs-134, 16Bq/L for Cs-137), "ND" is stated.

Results of Nuclide Analysis of Seawater <Offshore 1/3>

Reference

(Data summarized on June 8)

Place of Sampling	3 km offshore of Haramachi-ku Upper layer		3 km offshore of Haramachi-ku Lower layer		3 km offshore of Odaka-ku Upper layer		3 km offshore of Odaka-ku Lower layer		3 km offshore of Iwasaki Shore Upper layer		3 km offshore of Iwasaki Shore Lower layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/6/7 10:05		2011/6/7 10:05		2011/6/7 9:50		2011/6/7 9:50		2011/6/7 7:55		2011/6/7 7:55		
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	11	0.18	8.0	0.13	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	6.5	0.07	7.3	0.08	90

Place of Sampling	8 km offshore of Odaka-ku Upper layer		8 km offshore of Odaka-ku Lower layer		8 km offshore of Iwasawa Shore Upper layer		8 km offshore of Iwasawa Shore Lower layer						Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time and Date of Sample Collection	2011/6/7 9:30		2011/6/7 9:30		2011/6/7 8:15		2011/6/7 8:15						
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	ND	-	ND	-	4.3	0.07	ND	-					60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-					90

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L

Data of other nuclides are under evaluation.

In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

Sampling was conducted in the upper layer unless stated otherwise.

In the case that the data is below measurable limit (approximately 6Bq/L for I-131, approximately 14Bq/L for Cs-134, approximately 16Bq/L for Cs-137), "ND" is stated.

Results of Nuclide Analysis of Seawater <Offshore 2/3>

Reference

(Data summarized on June 8)

Place of Sampling	North Iwaki Offshore 3km Upper Layer		North Iwaki Offshore 3km Lower Layer		Natsui-gawa Offshore 3km Upper Layer		Natsui-gawa Offshore 3km Lower Layer		Onahama Port Offshore 3km Upper Layer		Onahama Port Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	No Sampling		No Sampling		No Sampling		No Sampling		2011/6/7 6:00		2011/6/7 6:00		
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	/	/	/	/	/	/	/	/	ND	-	ND	-	40
Cs-134 (about 2 years)	/	/	/	/	/	/	/	/	ND	-	ND	-	60
Cs-137 (about 30 years)	/	/	/	/	/	/	/	/	ND	-	ND	-	90

Place of Sampling	Ena Offshore 3km Upper Layer		Ena Offshore 3km Lower Layer		Numanouchi Offshore 3km Upper Layer		Numanouchi Offshore 3km Lower Layer		Toyoma Offshore 3km Upper Layer		Toyoma Offshore 3km Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	2011/6/7 6:20		2011/6/7 6:20		No Sampling		No Sampling		No Sampling		No Sampling		
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	/	/	/	/	/	/	/	/	40
Cs-134 (about 2 years)	6.8	0.11	6.5	0.11	/	/	/	/	/	/	/	/	60
Cs-137 (about 30 years)	7.1	0.08	ND	-	/	/	/	/	/	/	/	/	90

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L

Data of other nuclides are under evaluation.

In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

Sampling was conducted in the upper layer unless stated otherwise.

In the case that the data is below measurable limit (approximately 6Bq/L for I-131, approximately 14Bq/L for Cs-134, approximately 16Bq/L for Cs-137), "ND" is stated.

Results of Nuclide Analysis of Seawater <Offshore 3/3>

Reference

(Data summarized on June 8)

Place of Sampling	30 km offshore of MinamiSouma City Upper layer		30 km offshore of MinamiSouma City Middle layer		30 km offshore of MinamiSouma City Lower layer		30 km offshore of Ukedo-gawa Upper layer		30 km offshore of Ukedo-gawa Middle layer		30 km offshore of Ukedo-gawa Lower layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/6/7 7:15		2011/6/7 7:15		2011/6/7 7:15		2011/6/7 6:45		2011/6/7 6:45		2011/6/7 6:45	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90

Place of Sampling	5 km offshore of Souma City Upper layer		5 km offshore of Souma City Lower layer		5 km offshore of Kashima Upper layer		5 km offshore of Kashima Lower layer		3 km offshore of Souma City Upper layer		3 km offshore of Souma City Lower layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	2011/6/7 5:55		2011/6/7 5:55		2011/6/7 6:10		2011/6/7 6:10		2011/6/7 5:40		2011/6/7 5:40	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L

Data of other nuclides are under evaluation.

In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

Sampling was conducted in the upper layer unless stated otherwise.

In the case that the data is below measurable limit (approximately 6Bq/L for I-131, approximately 14Bq/L for Cs-134, approximately 16Bq/L for Cs-137), "ND" is stated.