

Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on June 4)

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/cm ³) (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	9:30 June 3, 2011		13:55 June 3, 2011		9:10 June 3, 2011		13:40 June 3, 2011		9:10 June 3, 2011		7:55 June 3, 2011	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	45	0.75	26	0.43	22	0.37	34	0.57	ND	-	11	0.18	60
Cs-137 (about 30 years)	51	0.57	35	0.39	40	0.44	36	0.40	16	0.18	15	0.17	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 (aproximately 6Bq/L for I-131, approximately 14Bq/L for Cs-134), "ND" is stated.

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

Reference

(Data summarized on June 4)

Place of Sampling	3km offshore of Haramachi-ku upper layer		3km offshore of Haramachi-ku lower layer		3km offshore of Odaka-ku upper layer		3km offshore of Odaka-ku lower layer		3km offshore of Iwasawa Shore upper layer		3km offshore of Iwasawa Shore lower layer		Density limit by the announcement of Reactor Regulation (Bq/cm ³) (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	June 3, 2011 sampling suspended		June 3, 2011 sampling suspended		June 3, 2011 sampling suspended		June 3, 2011 sampling suspended		7:40 June 3, 2011		7:40 June 3, 2011	
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	/	/	/	/	/	/	/	/	ND	-	ND	-	40
Cs-134 (about 2 years)	/	/	/	/	/	/	/	/	8.2	0.14	11	0.18	60
Cs-137 (about 30 years)	/	/	/	/	/	/	/	/	12	0.13	7.5	0.08	90

Place of Sampling	8km offshore of Odaka-ku upper layer		8km offshore of Odaka-ku lower layer		8km offshore of Iwasawa Shore upper layer		8km offshore of Iwasawa Shore lower layer		/		/		Density limit by the announcement of Reactor Regulation (Bq/cm ³) (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	June 3, 2011 sampling suspended		June 3, 2011 sampling suspended		8:05 June 3, 2011		8:05 June 3, 2011					
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	
I-131 (about 8 days)	/	/	/	/	ND	-	ND	-	/	/	/	/	40
Cs-134 (about 2 years)	/	/	/	/	ND	-	7.3	0.12	/	/	/	/	60
Cs-137 (about 30 years)	/	/	/	/	ND	-	8.2	0.09	/	/	/	/	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 15Bq/L for Cs-134, approximately 15Bq/L for Cs-137), "ND" is stated.

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

Reference

(Data summarized on June 4)

Place of Sampling	3 km offshore of northern Iwaki City, upper layer		3 km offshore of northern Iwaki City, lower layer		3 km offshore of Natsui river, upper layer		3 km offshore of Natsui river, lower layer		3 km offshore of Onahama port, upper layer		3 km offshore of Onahama port, lower layer		Density limit by the announcement of Reactor Regulation (Bq/cm ³) (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		5:10 June 3, 2011		5:10 June 3, 2011		5:30 June 3, 2011		5:30 June 3, 2011		6:15 June 3, 2011			6:15 June 3, 2011
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	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	3 km offshore of Ena, upper layer		3 km offshore of Ena, lower layer		3 km offshore of Numanouchi, upper layer		3 km offshore of Numanouchi, lower layer		3 km offshore of Toyoma, upper layer		3 km offshore of Toyoma, lower layer		Density limit by the announcement of Reactor Regulation (Bq/cm ³) (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		6:35 June 3, 2011		6:35 June 3, 2011		5:45 June 3, 2011		5:45 June 3, 2011		6:00 June 3, 2011			6:00 June 3, 2011
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	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	-	17	0.19	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 15Bq/L for Cs-134, approximately 15Bq/L for Cs-137), "ND" is stated.

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

Reference

(Data summarized on June 4)

Place of Sampling	5km offshore of Numanouchi upper layer	5km offshore of Numanouchi lower layer	15km offshore of Numanouchi upper layer	15km offshore of Numanouchi middle layer	15km offshore of Numanouchi lower layer	30km offshore of Numanouchi upper layer	Density limit by the announcement of Reactor Regulation (Bq/cm ³) (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	7:20 June 3, 2011	7:20 June 3, 2011	8:30 June 3, 2011	8:30 June 3, 2011	8:30 June 3, 2011	9:30 June 3, 2011							
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)		Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	3.9	0.07	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90

Place of Sampling	30km offshore of Numanouchi middle layer	30km offshore of Numanouchi lower layer											Density limit by the announcement of Reactor Regulation (Bq/cm ³) (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	9:30 June 3, 2011	9:30 June 3, 2011											
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	Scaling Factor (/)	Density of Sample (Bq/cm ³)	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

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 5Bq/L for I-131, approximately 14Bq/L for Cs-134, approximately 15Bq/L for Cs-137), "ND" is stated.