

## Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on May 28)

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)		② Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (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	At 9:30 May 27, 2011		At 14:00 May 27, 2011		At 9:00 May 27, 2011		At 13:40 May 27, 2011		At 8:35 May 27, 2011		At 7:50 May 27, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	79	1.3	68	1.1	37	0.62	72	1.2	23	0.38	26	0.43	60
Cs-137 (about 30 years)	90	1.0	64	0.7	43	0.48	51	0.57	26	0.29	19	0.21	90

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> 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 7Bq/L for I-131, approximately 15Bq/L for Cs-137), "ND" is stated.

Results of Nuclide Analysis of Seawater <Offshore 1/2>

Reference

(Data summarized on May 28)

Place of Sampling	15 km offshore of Minami Soma City		15 km offshore of Ukedo River		15 km offshore of Fukushima Daiichi		15 km offshore of Fukushima Daini		15 km offshore of Iwasawa Seashore		15 km offshore of Hirono Town		② Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (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	May 27, 2011 sampling canceled		May 27, 2011 sampling canceled		May 27, 2011 sampling canceled		At 6:25 May 26, 2011		At 7:15 May 27, 2011		At 7:00 May 27, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	
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	3 km offshore of Haramachi-ku		3 km offshore of Kodaka-ku		3 km offshore of Iwasawa Seashore		8 km offshore of Kodaka-ku		8 km offshore of Iwasawa Seashore		/		② Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (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	May 27, 2011 sampling canceled		May 27, 2011 sampling canceled		At 7:25 May 27, 2011		May 27, 2011 sampling canceled		At 7:40 May 27, 2011		/	
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	
I-131 (about 8 days)	/	/	/	/	ND	-	/	/	ND	-	/	/	40
Cs-134 (about 2 years)	/	/	/	/	ND	-	/	/	ND	-	/	/	60
Cs-137 (about 30 years)	/	/	/	/	18.0	0.20	/	/	ND	-	/	/	90

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> 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.

※ Samples that does not indicate "Upper Layer" or "Lower Layer" are taken from "Upper Layer".

※ 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 2/2>

Reference

(Data summarized on May 28)

Place of Sampling	30 km offshore of Minami Soma City upper layer		30 km offshore of Minami Soma City middle layer		30 km offshore of Minami Soma City lower layer		30 km offshore of Ukedo River upper layer		30 km offshore of Ukedo River middle layer		30 km offshore of Ukedo River lower layer		② Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (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	At 6:15 May 27, 2011		At 6:15 May 27, 2011		At 6:15 May 27, 2011		At 7:15 May 27, 2011		At 7:15 May 27, 2011		At 7:15 May 27, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	
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 Soma City upper layer		5 km offshore of Soma City lower layer		5 km offshore of Kashima City upper layer		5 km offshore of Kashima City lower layer		3 km offshore of Soma City upper layer		3 km offshore of Soma City lower layer		② Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (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	At 6:45 May 27, 2011		At 6:45 May 27, 2011		At 6:30 May 27, 2011		At 6:30 May 27, 2011		At 7:00 May 27, 2011		At 7:00 May 27, 2011	
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	①Density of Sample (Bq/cm <sup>3</sup> )	Scaling Factor (①/②)	
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	-	18.0	0.20	ND	-	ND	-	ND	-	90

※ Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> 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.

※ Samples that does not indicate "Upper Layer" or "Lower Layer" are taken from "Upper Layer".

※ 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.