Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on 6/18)

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 (appox. 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 (appox. 7 km south of 1,2u Discharge Channel) (appox. 16 km from 1F)		② 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	2011/06/17 09:05		2011/06/17 13:35		2011/06/17 08:50		2011/06/17 13:20		2011/06/17 08:20		2011/06/17 07:55		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	35	0.58	23	0.38	28	0.47	25	0.42	ND	-	ND	-	60
Cs-137 (about 30 years)	26	0.29	28	0.31	30	0.33	27	0.30	ND	-	5.5	0.06	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, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 5Bq/L, Cs-134: approx. 14Bq/L, Cs-137: approx. 15Bq/L.
However, detection limits differs depending on the detectors and samples types, and therefore may be detected, under figures below.

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

Referemce

(Data summarized on 6/18)

Place of Sampling	3 km offshore of Haramachi district Upper layer		3 km offshore of Haramachi district Lower layer		3 km offshore of Odaka district Upper layer		3 km offshore of Odaka district Lower layer		3 km offshore of Iwasawa coast Upper layer		3 km offshore of Iwasawa coast Lower layer		② 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	2011/06/17 sampling canceled		2011/06/17 sampling canceled		2011/06/17 sampling canceled		2011/06/17 sampling canceled		2011/06/17 09:00		2011/06/17 09:00		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	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	8 km offshore of Odaka district Upper layer		8 km offshore of Odaka district Lower layer		8 km offshore of Iwasawa Shore Upper layer		8 km offshore of Iwasawa Shore Lower layer						② 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	2011/06/17 sampling canceled		2011/06/17 sampling canceled		2011/06/17 08:45		2011/06/17 08:45						
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	
I-131 (about 8 days)					ND	-	ND	-					40
Cs-134 (about 2 years)					3.9	0.07	ND	-					60
Cs-137 (about 30 years)					4.6	0.05	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.

※ In the case that the data is below measurable limit, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 3Bq/L、Cs-134: approx. 5Bq/L、Cs-137: approx. 5Bq/L
However, detection limits differs depending on the detectors and samples types, and therefore may be detected, under figures below.

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

Reference

(Data summarized on 6/18)

Place of Sampling	Numanouchi Offshore 5km Upper Layer		Numanouchi Offshore 5km Lower Layer		Numanouchi Offshore 15km Upper Layer		Numanouchi Offshore 15km Middle Layer		Numanouchi Offshore 15km Lower Layer		Numanouchi Offshore 30km Upper Layer		② 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	2011/06/17 06:35		2011/06/17 06:35		2011/06/17 07:30		2011/06/17 07:30		2011/06/17 07:30		2011/06/17 08:25		
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	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	Numanouchi Offshore 30km Middle Layer		Numanouchi Offshore 30km Lower Layer										② 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	2011/06/17 08:25		2011/06/17 08:25										
Detected Nuclides (Half-life)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	Scaling Factor (①/②)	①Density of Sample (Bq/cm3)	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

※ 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, "ND" is stated.
Detection limits of the three main nuclides are as follows: I-131: approx. 6Bq/L、Cs-134: approx. 14Bq/L、Cs-137: approx. 15Bq/L
However, detection limits differs depending on the detectors and samples types, and therefore may be detected, under figures below.