Nuclide Analysis Results of Seawater <Coast>

Reference

(Data summarized on August 3)

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	10:30 am August 2, 2011		9:10 am August 2, 2011		4:40 pm August 2, 2011		8:30 am August 2, 2011		8:05 am August 2, 2011		
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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	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.

※ 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. 9Bq/L., Cs-134: approx. 22Bq/L, Cs-137: approx. 24Bq/L.
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.

Results of Nuclide Analysis of Seawater＜Offshore＞

Reference

（Data summarized on：August 3）

Place of Sampling	30 km offshore of MinamiSouma City Upper layer		30 km offshore of MinamiSouma City Midde 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		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	6:10am August 2, 2011		6:10am August 2, 2011		6:10am August 2, 2011		7:00am August 2, 2011		7:00am August 2, 2011		7:00am August 2, 2011		
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	5 km offshore of Souma City Upper layer		5 km offshore of Souma City Lower layer		5 km offshore of Kashima City Upper layer		5 km offshore of Kashima City Lower layer		3 km offshore of Souma City Upper layer		3 km offshore of Souma City 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	5:50am August 2, 2011		5:50am August 2, 2011		5:30am August 2, 2011		5:30am August 2, 2011		6:15am August 2, 2011		6:15am August 2, 2011		
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

※ 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: 4Bq/L、Cs-137: 5Bq/L
However, detection limits differs depending on the detectors and samples types, and therefore may be detected, under figures below.