

Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on July 9)

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/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	10:30am July 8, 2011	10:05am July 8, 2011	8:15am July 8, 2011	7:45am July 8, 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)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	5.7	0.10	60
Cs-137 (about 30 years)	ND	-	ND	-	4.9	0.05	5.1	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 this analysis, "ND" means that the results fall below the measurable threshold.

(I-131: approx. 9Bq/L, Cs-134: approx. 23Bq/L, and Cs-137: approx. 25Bq/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 1/2>

Reference

(Data summarized on July 9)

Place of Sampling	15 km offshore of MinamiSouma City Upper layer	15 km offshore of MinamiSouma City Lower layer	15 km offshore of Ukedo-gawa Upper layer	15 km offshore of Ukedo-gawa Lower layer	15 km offshore of Fukushima Daiichi Upper layer	15 km offshore of Fukushima Daiichi 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	exempted from today's Analysis		8:00am July 8, 2011		8:00am July 8, 2011			7:35am July 8, 2011		7:35am July 8, 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)		
I-131 (about 8 days)	/	/	/	/	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	/	/	/	/	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	/	/	/	/	ND	-	ND	-	ND	-	ND	-	90

Place of Sampling	15 km offshore of Fukushima Daini Upper layer	15 km offshore of Fukushima Daini Lower layer	15 km offshore of Iwasawa Shore Upper layer	15 km offshore of Iwasawa Shore Lower layer	15 km offshore of Hironomachi Upper layer	15 km offshore of Hironomachi 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	7:15am July 8, 2011		7:15am July 8, 2011		exempted from today's Analysis			exempted from today's Analysis		exempted from today's Analysis		exempted from today's Analysis	
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 this analysis, "ND" means that the results fall below the measurable threshold.

(I-131: approx. 3Bq/L, Cs-134: approx. 4Bq/L, and Cs-137: approx. 4Bq/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 2/2>

Reference

(Data summarized on : July 9)

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)
	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)	
Time and Date of Sample Collection	6:05 am July 8, 2011		6:05 am July 8, 2011		6:40 am July 8, 2011		6:40 am July 8, 2011		6:40 am July 8, 2011		Collection Suspended July 8, 2011		
Detected Nuclides (Half-life)													
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

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)
	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)	
Time and Date of Sample Collection	Collection Suspended July 8, 2011		Collection Suspended July 8, 2012										
Detected Nuclides (Half-life)													
I-131 (about 8 days)													40
Cs-134 (about 2 years)													60
Cs-137 (about 30 years)													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 this analysis, "ND" means that the results fall below the measurable threshold.
(I-131: approx. 2Bq/L, Cs-134: approx. 5Bq/L, and Cs-137: approx. 4Bq/L)
Please note that these nuclides are sometimes detected even when they are below the threshold, contingent on the detector or samples.