Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on : July 12)

Place of Sampling	North of Discha of 5-6u (approx. 30m n discharge o	of 1F orth of 5-6u	Around South Channel (appox. 330m Discharge (of 1F south of 1-4u	Around North Channel (Around 3,4u Chanr (approx. 10 kr	of 2F I Discharge nel)	Around Iwasawa (appox. 7 km s Discharge ((appox. 16 kr	south of 1,2u Channel)	② Density limit by the announcement of Reactor Regulation (Bq/L)		
Time and Date of Sample Collection	10:50 July 11,		10:25 July 11,		8:25 July 11,		7∶55 July 11,		(the density limit in the water outside of		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of SampleScaling Factor (①/②)		①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Scaling Sample Factor (Bq/L) (①/②)		surrounding monitored areas in the section 6 of the appendix 2)		
l-131 (about 8 days)	ND	-	ND	-	ND	_	ND	_	40		
Cs-134 (about 2 years)	30	0. 50	ND	-	ND	_	ND	-	60		
Cs-137 (about 30 years)	40	0. 44	ND	-	5. 3	0.06	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. 11Bq/L, Cs-134: approx. 20Bq/L, Cs-137: approx. 22Bq/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 1/3>

Reference

(Data summarized on : July 12)

Place of Sampling	15 km offshore of 15 km offshore of MinamiSouma City MinamiSouma City Upper layer Lower layer		Ukedo-ga	15 km offshore of Ukedo-gawa Upper layer		15 km offshore of Ukedo-gawa Lower layer		ore of Daiichi yer	15 km offshore of Fukushima Daiichi Lower layer		② Density limit by the announcement of Departure Deputation		
Time and Date of Sample Collection	9∶05 a July 11,		9:05 am July 11, 2011										Reactor Regulation (Bq/L) (the density limit in the
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)	water outside of
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	15 km offsh Fukushima Upper la	Daini	Fukushima	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 Hirono- machi Upper layer		of Hirono- yer	② Density limit by the announcement of Reactor Regulation
Time and Date of Sample Collection					7∶50 am July 11, 2011		7∶50 am July 11, 2011		8:25 am July 11, 2011		8:25 am July 11, 2011		(Bq/L) (the density limit in the
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)	water outside of
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

X 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.

X 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), "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.

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

Reference

(Data summarized on : July 12)

Place of Sampling	3 km offsho Hara Town Upper la	Area	3 km offshore of Hara Town Area Lower layer		3 km offshore of Odaka Town Area Upper layer		Odaka Tow	3 km offshore of Odaka Town Area Lower layer		3 km offshore of Iwasawa shore Upper layer		ore of hore yer	② Density limit by the announcement of Reactor Regulation
Time and Date of Sample Collection	8:35 a July 11,		8:35 a July 11,		8:10 a July 11,		8:10 a July 11,		7:00 a July 11,		7:00 a July 11,		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 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	-	3. 7	0. 04	ND	_	90

Place of Sampling	8 km offsho Odaka Towi Upper la	n Area	8 km offshore of Odaka Town Area 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	
Time and Date of Sample Collection	9:25 a July 11,		9:25 a July 11,		7:20 a July 11,		7:20 a July 11,						Reactor Regulation (Bq/L) (the density limit in the	
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)	Scaling Factor water outside of surrounding monitored	
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	

X 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.

X 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), "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.

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

Reference

(Data summarized on : July 12)

Place of Sampling	3 km offshore of 3 km offshore of North of Iwaki City North of Iwaki City Upper layer Lower layer 6:10 am 6:10 am		3 km offshore of North of Natsui River Upper layer 5:50 am		3 km offshore of North of Natsui River Lower layer 5:50 am		3 km offshore of Onahama Port Upper layer 5∶30 am		3 km offshore of Onahama Port Lower layer 5:30 am		② Density limit by the announcement of Reactor Regulation		
Sample Collection	July 11,		5.10 am July 11, 2011		July 11, 2011		July 11, 2011		July 11, 2011		July 11, 2011		(Bq/L) (the density limit in the
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)	water outside of
l-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 offsho Ena Upper la		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		② Density limit by the announcement of Reactor Regulation
Time and Date of Sample Collection	5:50 a July 11,		5:50 a July 11,		5:40 a July 11,		5:40 a July 11,		5:20 a July 11,		5:20 a July 11,		(Bq/L) (the density limit in the water outside of
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)	
l-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

X Data of other nuclides are under evaluation.

X In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

 \times In the case that the data is below measurable limit (aproximately 6Bq/L for I-131), "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.