Results of Nuclide Analysis of Seawater < Coast>

Reference

(Data summarized on August 19)

Place of Sampling	North of Discha of 5-6u (approx. 30m n discharge o	of 1F north of 5-6u			arge Channel c -4u Discharge		Around North Channel (Around 3,4u Chanr (approx. 10 ki	of 2F u Discharge nel)	Around Iwasawa (appox. 7 km s Discharge 0 (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	9:50 ar August 18	•	9:30 an August 18		2:10 pm on August 18, 2011		8:25 ar August 18	•	7:55 ar August 18		(the density limit in the water outside of
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Sample Factor		Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	1	ND	1	40
Cs-134 (about 2 years)	20	0.33	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	21	0.23	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

Detection limits at Fukushima Daiichi (north of water discharge channel of Units 5 and 6, south discharge channel) are as follows:

I-131: approx. 9 Bq/L, Cs-134: approx. 22 Bq/L, and Cs-137: approx. 24Bq/L.

Detection limits at Fukushima Daini (Near North discharge canal, Iwasawa shore) are as follows:

I-131: approx. 4 Bq/L, Cs-134: approx. 6 Bq/L, and Cs-137: approx. 9Bq/L.

[※] Data of other nuclides are under evaluation.

 $[\]divideontimes$ 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.

Results of Nuclide Analysis of Seawater < Offshore 1/3>

Reference

(Data summarized on August 19)

										•			,
Place of Sampling	MinamiSoun	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	
Time and Date of Sample Collection		7:55 am on August 18, 2011		7:55 am on August 18, 2011		N.A.		N.A.		N.A.			Reactor Regulation (Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 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	Fukushima Daini Fukushim		15 km offsh Fukushima Lower la	Daini Shore			15 km offshore of Iwasawa Shore Lower layer		15 km offshore of Hirono- machi Upper layer		15 km offshore of Hirono- machi Lower layer		Density limit by the announcement of Reactor Regulation
Time and Date of Sample Collection	N.A.		N.A.		8:00 am on August 18, 2011		8:00 am on August 18, 2011		8:35 am on August 18, 2011		8:35 am on August 18, 2011		(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)					ND	-	ND	-	ND	ı	ND	ı	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 this analysis, "ND" means that the results fall bellow the detection limits. (I-131: approx. 48Bq/L, Cs-134: approx. 6Bq/L, and Cs-137: approx. 9Bq/L)

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

Reference

(Data summarized on August 19)

Place of Sampling Time and Date of Sample Collection	3 km offsho Haramack Upper la 8:20 am August 18,	niku yer on	3 km offsho Haramachi Lower la 8:20 am August 18,	Ward yer on	3 km offsho Odaka W Upper la 8:35 am August 18,	ard yer on	3 km offsho Odaka W Lower la 8:35 am August 18,	ard yer on	3 km offsho Iwasawa s Upper la 7:05 am August 18,	shore yer on	3 km offsho Iwasawa s Lower la 7:05 am August 18,	hore yer on	② Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the	
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)	water outside of surrounding monitored	
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	8 km offsho Odaka W Upper la	ard	8 km offshore of Odaka Ward Lower layer		8 km offshore of Iwasawa shore Upper layer		8 km offshore of Iwasawa shore Lower layer						Density limit by the announcement of Reactor Regulation
Time and Date of Sample Collection	8:50 am on August 18, 2011		8:50 am on August 18, 2011		7:25 am on August 18, 2011		7:25 am on August 18, 2011						(Bq/L) (the density limit in the
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)	water outside of surrounding monitored areas in the section 6 of the appendix 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

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.

[💥] 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 bellow the detection limits.
 (I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, and Cs-137: approx. 9Bq/L)

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

Reference

(Data summarized on August 19)

	3 km offsho	oro of	3 km offsh	oro of	3 km offsho	oro of							
Place of Sampling	Iwaki			lwaki Lower layer		Natsui river Upper layer		Natsui river Lower layer		Onahama port Upper layer		port yer	2 Density limit by the announcement of Reactor Regulation
Time and Date of Sample Collection	6:40 am August 18,		6:40 am August 18,	-	6:05 am August 18,		6:05 am August 18,		5:30 am on August 18, 2011		5:30 am on August 18, 2011		(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of										
I-131 (about 8 days)	ND	-	40										
Cs-134 (about 2 years)	ND	-	60										
Cs-137 (about 30 years)	ND	-	90										

Place of Sampling	3 km offsho Ena Upper la		3 km offsho Ena Lower la		3 km offsho Numanoo Upper la	uchi	3 km offsho Numanou Lower lay	ıchi	3 km offsho Toyom Upper la	а	3 km offsho Toyoma Lower lay	а	② Density limit by the announcement of
Time and Date of Sample Collection	5:25 am August 18,		5:25 am August 18,	-	5:50 am August 18,		5:50 am August 18,	-	5:40 am August 18,	_	5:40 am on August 18, 2011		Reactor Regulation (Bq/L) (the density limit in the
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)	water outside of
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	ı	ND	-	ND	ı	40
Cs-134 (about 2 years)	ND	ı	ND	-	ND	-	ND	ı	ND	-	ND	i	60
Cs-137 (about 30 years)	ND	-	ND	-	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 this analysis, "ND" means that the results fall bellow the detection limits.
 (I-131: approx. 4Bq/L, Cs-134: approx. 6Bq/L, and Cs-137: approx. 9Bq/L)