

Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on August 13)

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)		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	10:25 am August 12, 2011		10:05 am August 12, 2011		2:15 pm August 12, 2011		8:00 am August 12, 2011		7:35 am August 12, 2011		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
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 at Fukushima Daiichi (north of water discharge channel of Units 5 and 6, south discharge channel) is as follows: I-131: approx. 14Bq/L., Cs-134: approx. 31Bq/L., Cs-137: approx. 35Bq/L.

Detection limits at Fukushima Daini (north water discharge channel, around Iwasawa shore) is as follows: I-131: approx. 4Bq/L., Cs-134: approx. 6Bq/L., Cs-137: approx. 9Bq/L.

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

Reference

(Data summarized on August 13)

Place of Sampling	3 km offshore of Haramachiku Upper layer		3 km offshore of Haramachi Ward Lower layer		3 km offshore of Odaka Ward Upper layer		3 km offshore of Odaka Ward Lower layer		3 km offshore of Iwasawa shore Upper layer		3 km offshore of Iwasawa shore Lower layer		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	7:40 am August 12, 2011		7:40 am August 12, 2011		7:25 am August 12, 2011		7:25 am August 12, 2011 平成23年8月12日		6:30 am August 12, 2011		6:30 am August 12, 2011	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
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 offshore of Odaka Ward Upper layer		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 (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	8:20 am August 12, 2011		8:20 am August 12, 2011		6:45 am August 12, 2011		6:45 am August 12, 2011		/		/	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
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

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 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 2/2>

Reference

(Data summarized on August 13)

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		" 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	9:45 am August 12, 2011		9:45 am August 12, 2011		9:05 am August 12, 2011		9:05 am August 12, 2011		9:05 am August 12, 2011		8:15 am August 12, 2011		
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
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		/		/		/		/		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	8:15 am August 12, 2011		8:15 am August 12, 2011		/		/		/		/		
Detected Nuclides (Half-life)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	Density of Sample (Bq/cm3)	Scaling Factor (/)	
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)