Nuclide Analysis Results of Radioactive Materials in Seawater < Coast>

Reference

(Data summarized on February 18)

Place of Sampling	North of Discha of 5-6u of (approx. 30m n discharge of	of 1F north 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 : Discharge ((appox. 16 kr	south of 1,2u Channel)	Density limit by the announcement of Reactor Regulation (Bq/L)		
Time of Sampling	Feb 17, 08:50		Feb 17, 08:35		Feb 17, 08:40		Feb 17, 08:10		(the density limit in the water outside of		
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 (/)	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	-	15	0.25	ND	ND -		-	60		
Cs-137 (about 30 years)	ND	-	21 0.23		ND -		ND -		90		

^{*} Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

I-131: approx. 1.0Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

^{*} 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.

^{* &}quot;ND" means the sampled data is below measurable limit.

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore 1/3>

Reference

(Data summarized on February 18)

Place of Sampling	CityUpper Layer		nami-Souma Minami-Souma dupper Layer CityLower Layer		Ukedo-gawa 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		nore of Daiichi ayer	Density limit by the announcement of Reactor Regulation (Bg/L)
Time of Sampling	Feb 16, 2012 (Not sampled)		Feb 16, 2012 (Not sampled)		N/A		N/A		N/A		N/A		(the density limit in the
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	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

Place of Sampling	15 km offshore of Fukushima Daini Upper Layer Layer		Iwasawa Sho	15 km offshore of Iwasawa Shore Upper Layer		15 km offshore of Iwasawa Shore Lower Layer		15 km offshore of Hirono-town Upper Layer		nore of Lower r	Density limit by the announcement of Reactor Regulation		
Time of Sampling	N/A		N/A		N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
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	water outside of surrounding monitored areas in the section 6 of the appendix 2)
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.

Sampling at 4 points out of 7 were suspended due to bad weather

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore 2/3>

Reference

(Data summarized on February 18)

													• •
Place of Sampling	3 km offsh Haramachi Wa Laye	ard Upper	3 km offshore of Haramachi Ward Lower Layer			3 km offshore of Odaka Ward Upper Layer		3 km offshore of Odaka Ward Lower Layer		ore of re Upper r	3 km offshore of Iwasawa shore Lower Layer		Density limit by the announcement of Reactor Regulation
Time of Sampling	Feb 16, 2 (Not sam		Feb 16, 2 (Not samp		Feb 16, 2 (Not sam		Feb 16, 2 (Not sam		Feb 16, 2 08:40 a		Feb 16, 2012 08:40 am		(Bq/L) (the density limit in the water outside of
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	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	8 km offshore Ward Upper				8 km offshore of Iwasawa shore Upper Layer		lwasawa shoi	8 km offshore of Iwasawa shore Lower Layer					Density limit by the announcement of Reactor Regulation	
Time of Sampling	Feb 16, 2 (Not samp		Feb 16, 2 (Not samp		Feb 16, 2 09:05 a		Feb 16, 2 09:05 a						(Bq/L) (the density limit in the water outside of	
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	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	

^{*} Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

Sampling at 4 points out of 7 were suspended due to bad weather

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

^{*} 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.

^{* &}quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.66Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore 3/3>

Reference

(Data summarized on February 18)

Place of Sampling Time of Sampling	City Opper Layer		3 km offshore of City Lower			City Upper Layer		5 km offshore of Souma City Lower Layer N/A		5 km offshore of Kashima Upper Layer N/A		ore of ver Layer	Density limit by the announcement of Reactor Regulation (Bq/L)
Time or Sampling													(the density limit in the
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	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

Place of Sampling Time of Sampling	5km Offsh Numanouch Layer Feb 16, 2 07:15 a	i Upper	5km Offshore of Numanouchi Lower Layer Feb 16, 2012 07:15 am										Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the
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	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

^{*} Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

Sampling at 4 points out of 7 were suspended due to bad weather

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

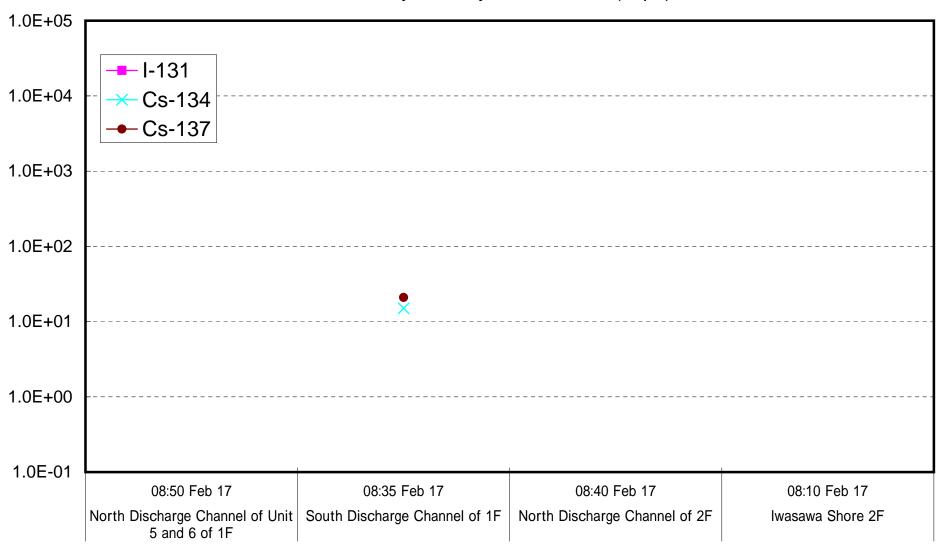
^{*} Data of other nuclides are under evaluation.

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

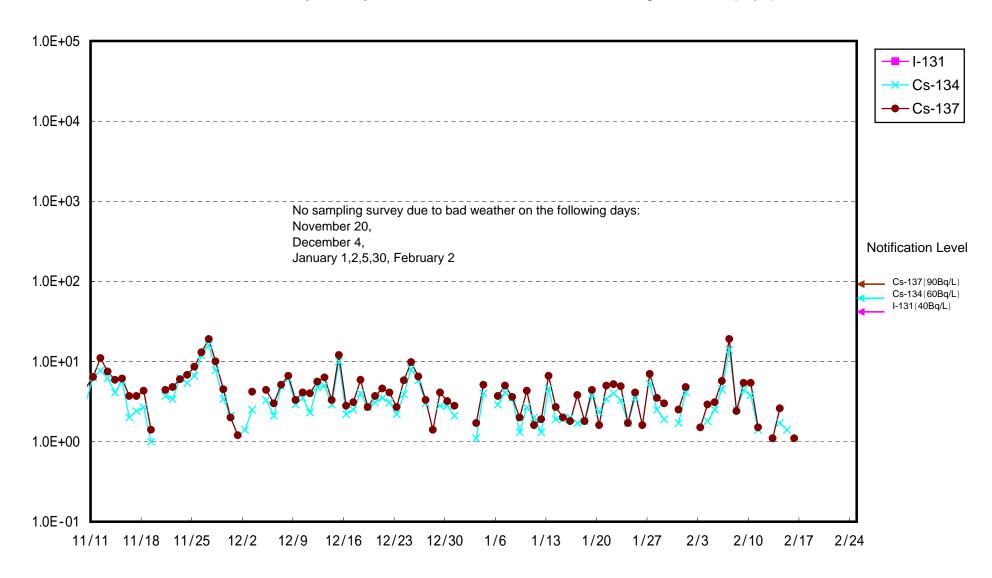
^{* &}quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.73Bq/L, Cs-134: approx. 0.86Bq/L, Cs-137: approx. 1.1Bq/L

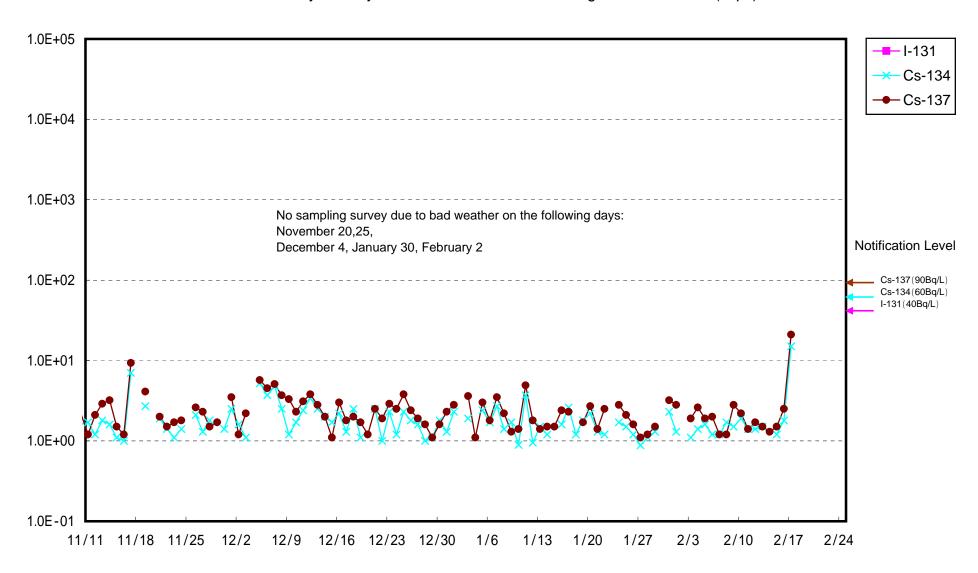
Radioactivity Density of Seawater (Bq/L)



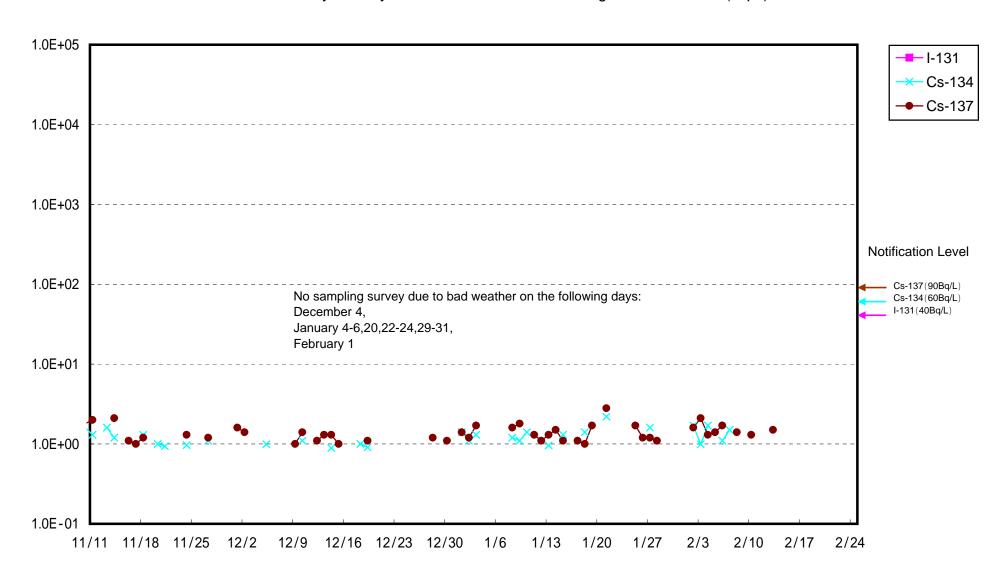
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



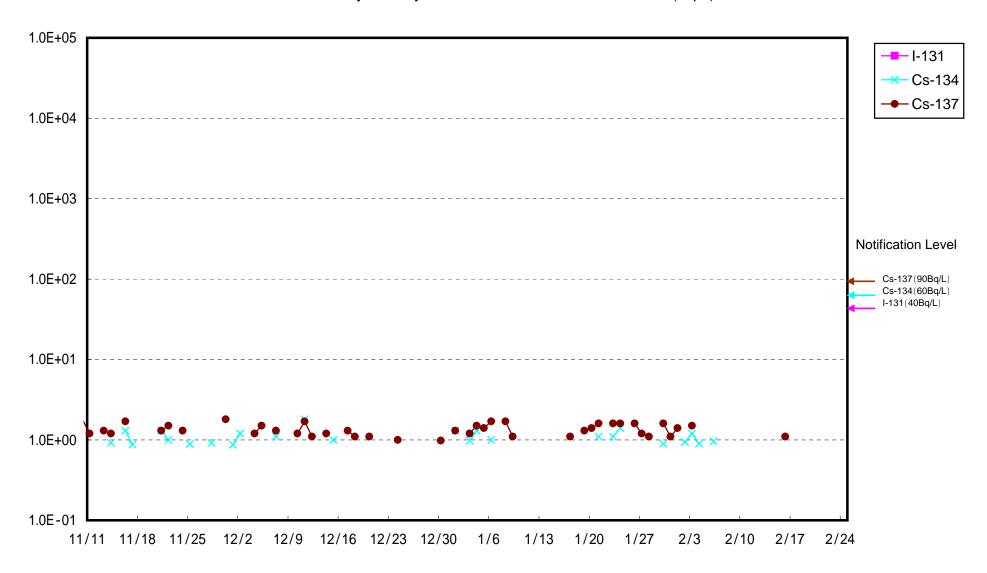
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)

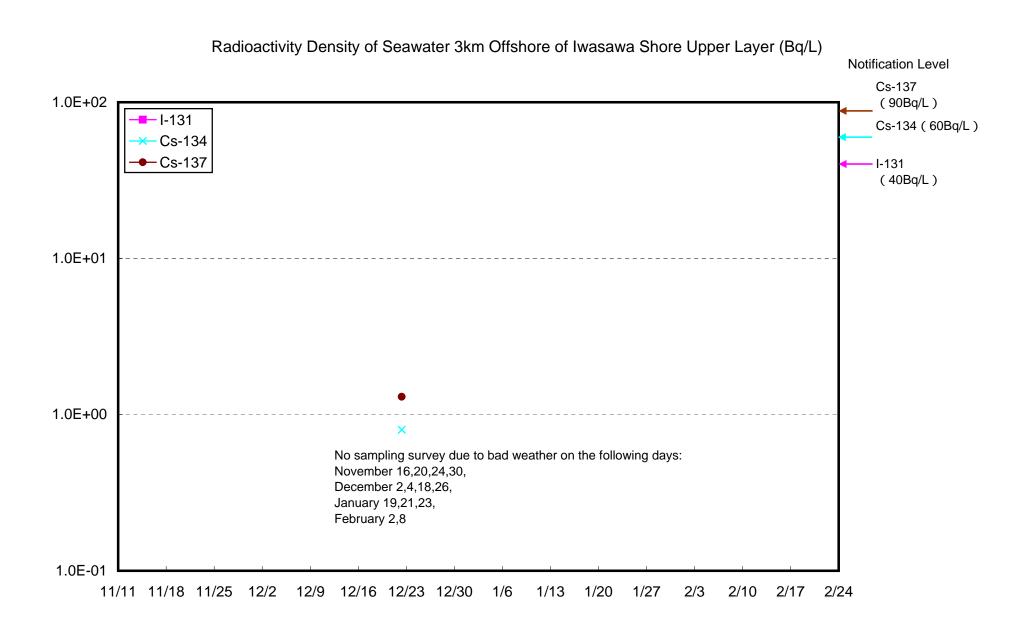


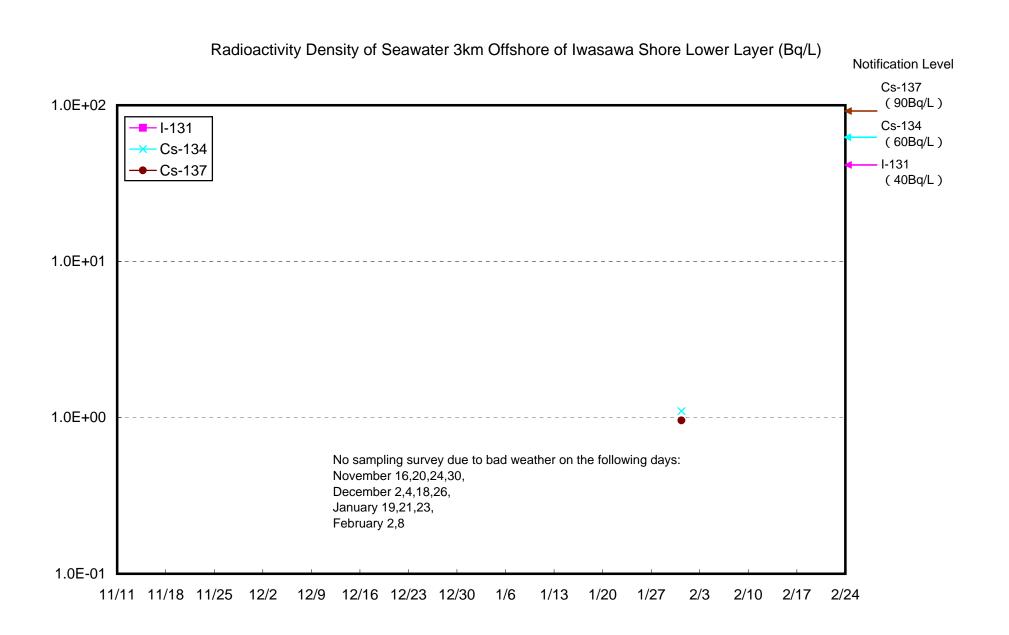
Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)

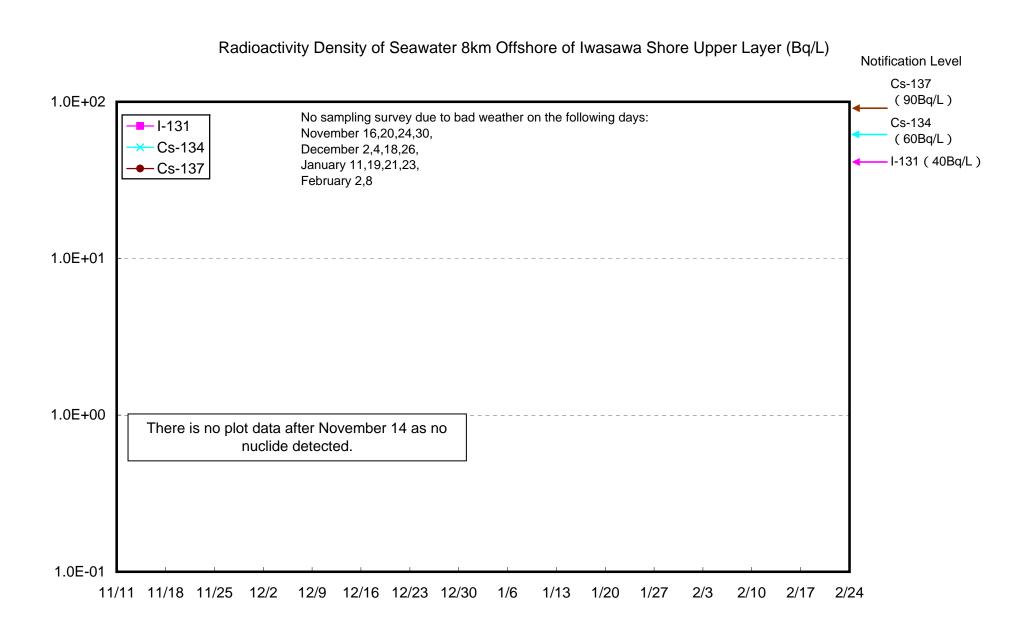


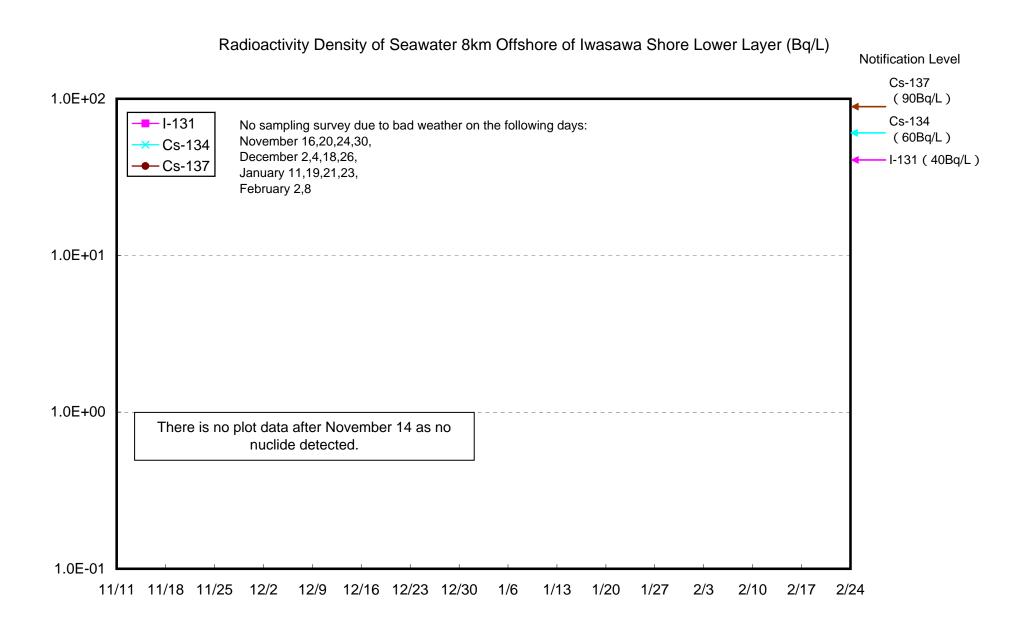
Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)











Radioactivity Density of Seawater 5km Offshore of Numanouchi Upper Layer (Bq/L)

