## Nuclide Analysis Results of Radioactive Materials in Seawater < Coast>

Reference

(data aggregation: 3/25)

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 ki	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 of Sampling	Mar 24, 08:40		Mar 24, 08:20		Mar 24, 08:25		Mar 24, 08:00		(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)	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	-	40		
Cs-134 (about 2 years)	1.2	0.02	0.88	0.01	ND	-	ND -		60		
Cs-137 (about 30 years)	ND	-	1.0	1.0 0.01		ND -		-	90		

<sup>\*</sup> Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

I-131: approx. 0.73Bq/L, Cs-134: approx. 0.83Bq/L, Cs-137: approx. 0.97Bq/L

<sup>\*</sup> Data of other nuclides are under evaluation.

<sup>\*</sup> In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

<sup>\* &</sup>quot;ND" means the sampled data is below measurable limit.

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

Reference

(data aggregation: 3/25)

Place of Sampling	Minami-So	15 km offshore of Minami-Souma CityUpper Layer  15 km offshore of Minami-Souma CityLower Layer		Ukedo-gawa	15 km offshore of Ukedo-gawa Upper Layer		15 km offshore of Ukedo-gawa Lower Layer		15 km offshore of Fukushima Daiichi Upper Layer		ore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation	
Time of Sampling	Mar 23, 2 10:40 a		Mar 23, 2 10:40 a		N/A		N/A		N/A		N/A		(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	-	-	-	-	ı	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	-	-	-	-	-	-	-	-	90

Place of Sampling	Fukushima Da	5 km offshore of ushima Daini Upper Layer 15 km offshore of Fukushima Daini Lower 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	② Density limit by the announcement of Reactor Regulation	
Time of Sampling	N/A	/A N			N/A	N/A		N/A		N/A			(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)	areas in the section 6 of
I-131 (about 8 days)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

<sup>\*</sup> Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

<sup>\*</sup> Data of other nuclides are under evaluation.

<sup>\*</sup> In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

<sup>\* &</sup>quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.66Bq/L, Cs-134: approx. 0.83Bq/L, Cs-137: approx. 1.0Bq/L

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

Reference

(data aggregation: 3/25)

Place of Sampling	3 km offsh Haramachi Wa Layei	ard Upper	3 km offshore of Haramachi Ward Lower Layer			3 km offshore of Odaka Ward Upper Layer		of Odaka Layer	3 km offshore of Iwasawa shore Upper Layer		3 km offshore of Iwasawa shore Lower Layer		② Density limit by the announcement of Reactor Regulation
Time of Sampling	Mar 23, 2 10:00 a		Mar 23, 2 10:00 a		Mar 23, 2 09:30 a		Mar 23, 2 09:30 a		Mar 23, 2 08:10 a		Mar 23, 2012 08:10 am		(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	-	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 Ward Upper				8 km offshore of Iwasawa shore Upper Layer		8 km offshore of Iwasawa shore Lower Layer						② Density limit by the announcement of Reactor Regulation
Time of Sampling	Mar 23, 2 09:10 a		Mar 23, 2 09:10 a		Mar 23, 2 08:25 a		Mar 23, 2 08:25 a						(Bq/L) (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)	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)	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

<sup>\*</sup> Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

<sup>\*</sup> Data of other nuclides are under evaluation.

<sup>\*</sup> In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

<sup>\* &</sup>quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.68Bq/L, Cs-134: approx. 1.0Bq/L, Cs-137: approx. 1.1Bq/L

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

Reference

(data aggregation: 3/25)

Place of Sampling	3 km offshore of Souma City Upper Layer 3 km offshore of So City Lower Layer			5 km offshore of Souma City Upper Layer		5 km offshore of Souma City Lower Layer		5 km offshore of Kashima Upper Layer		5 km offshore of Kashima Lower Layer		② 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)	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)	-	-	-	-	-	-	-	-	-	-	-	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	-	-	-	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	-	-	-	-	90

Place of Sampling	5km Offsho Numanouch Layer	i Upper	5km Offshore of Numanouchi Lower Layer										② Density limit by the announcement of Reactor Regulation
Time of Sampling	Mar 23, 2 07:00 a		Mar 23, 2 07:00 a										(Bq/L) (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)	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)	
I-131 (about 8 days)	ND	1	ND	-									40
Cs-134 (about 2 years)	ND	ı	ND	ı									60
Cs-137 (about 30 years)	ND	-	ND	-									90

<sup>\*</sup> Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm3 to Bq/L.

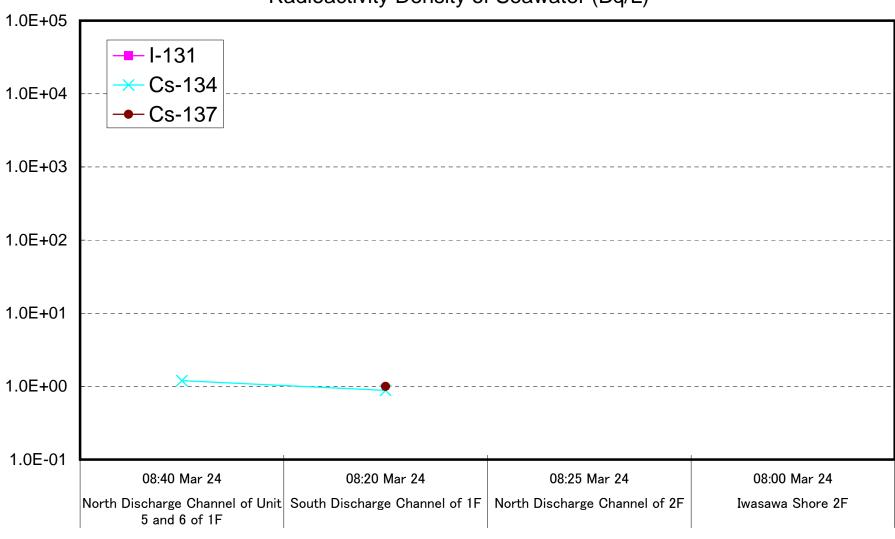
<sup>\*</sup> Data of other nuclides are under evaluation.

<sup>\*</sup> In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

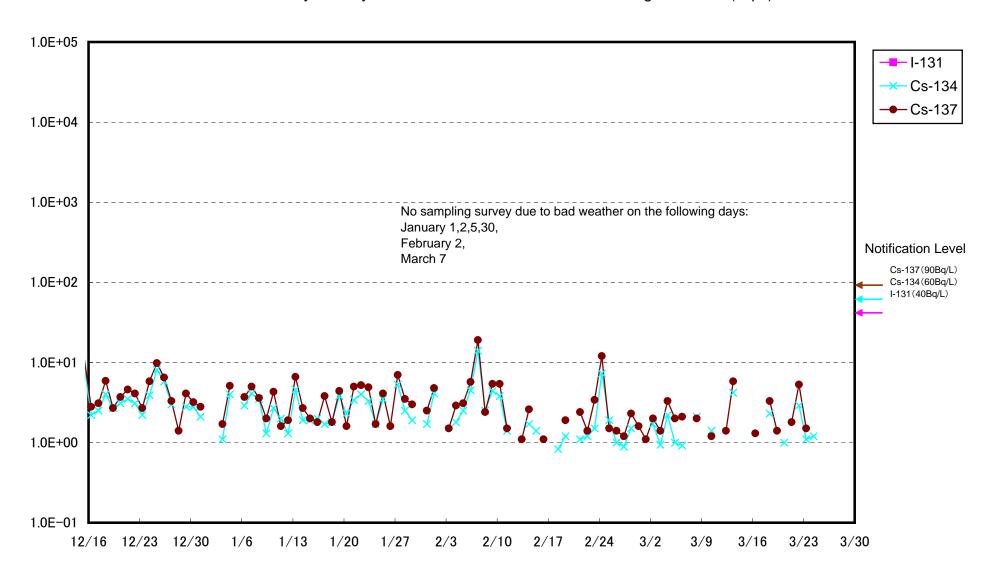
<sup>\* &</sup>quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.68Bq/L, Cs-134: approx. 0.76Bq/L, Cs-137: approx. 1.0Bq/L

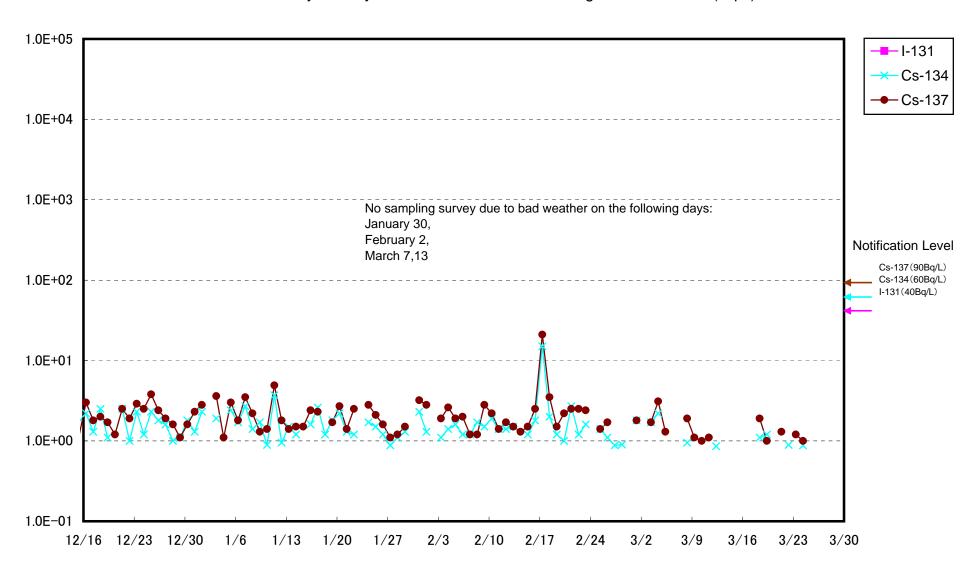
# Radioactivity Density of Seawater (Bq/L)



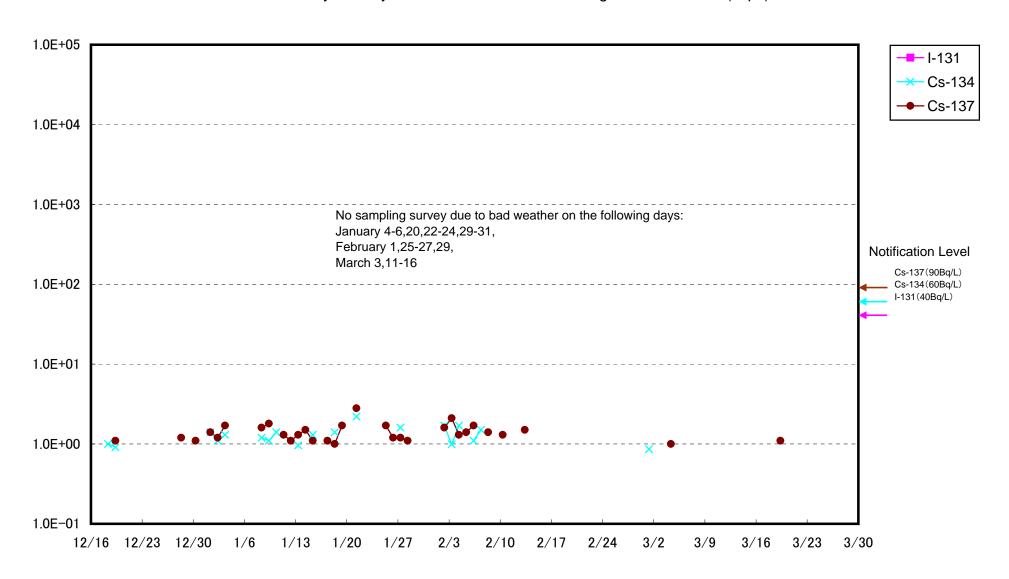
## Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



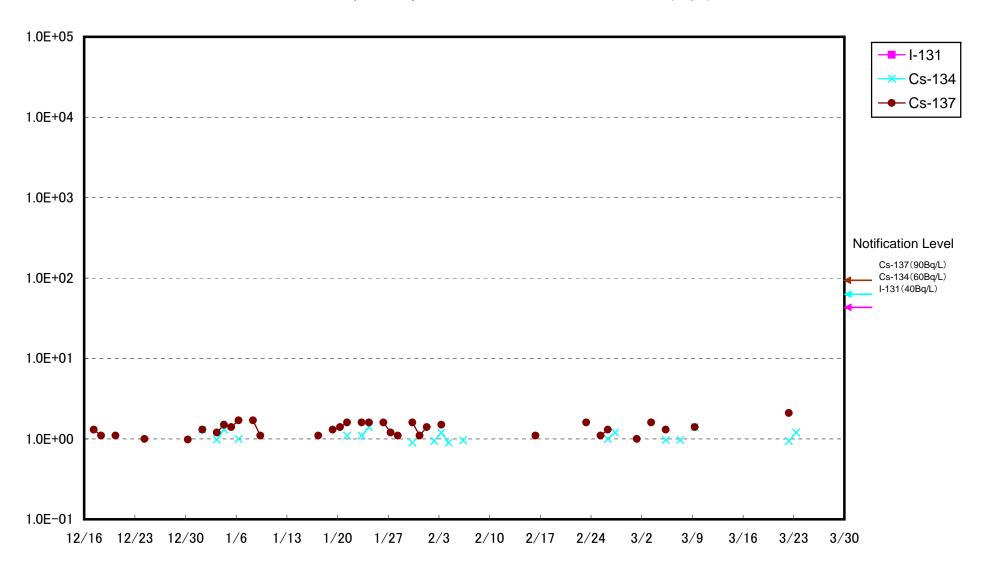
# Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)

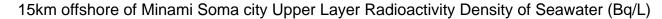


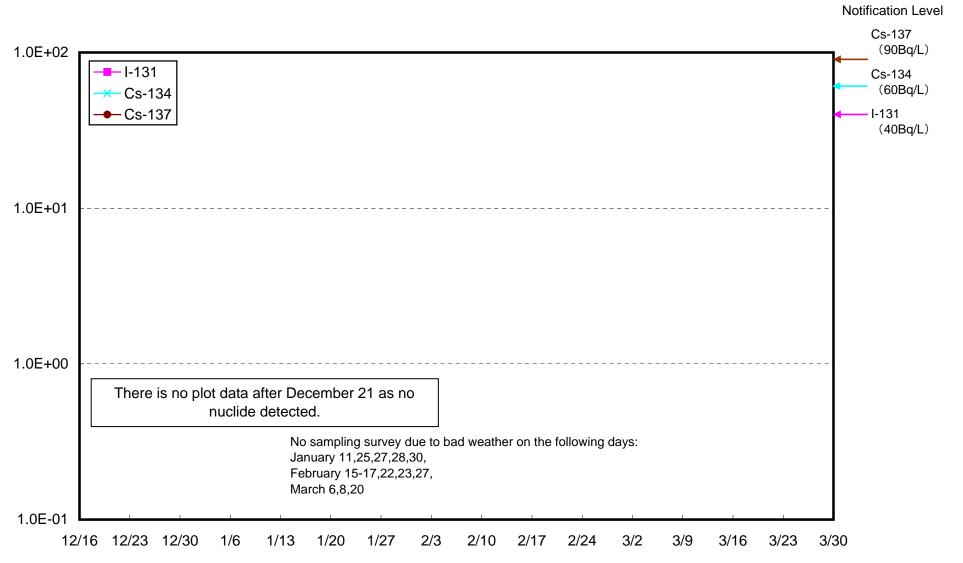
## Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



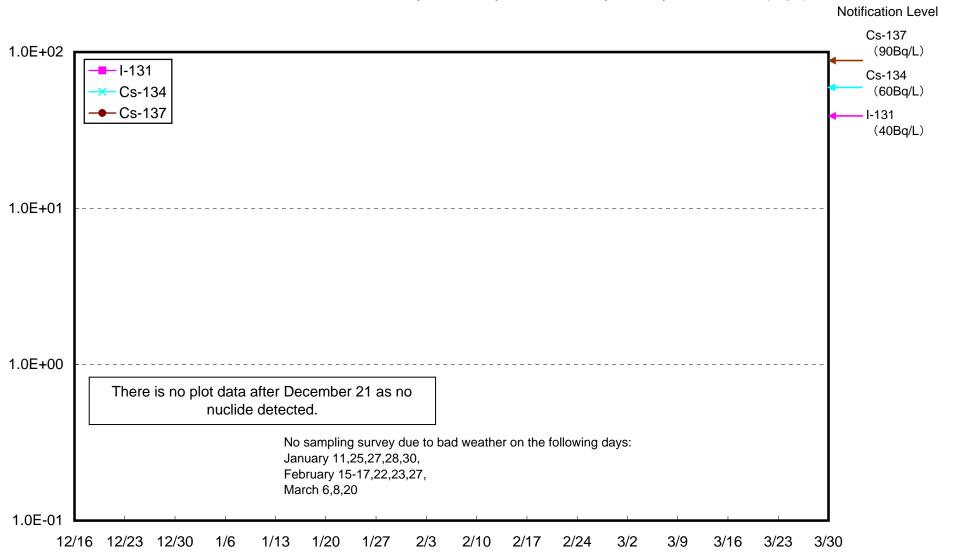
# Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)

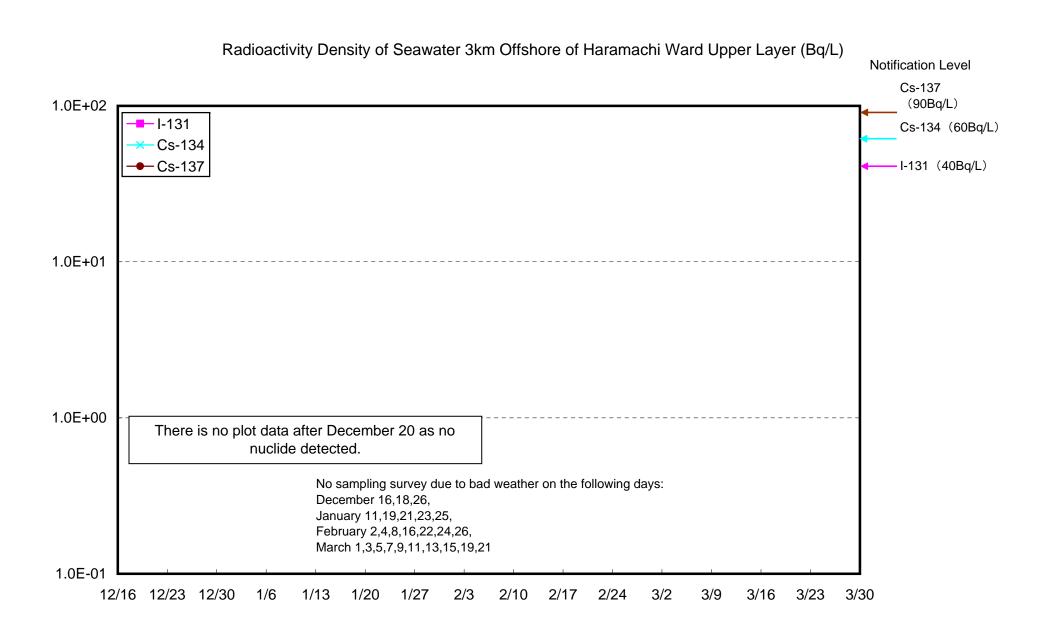




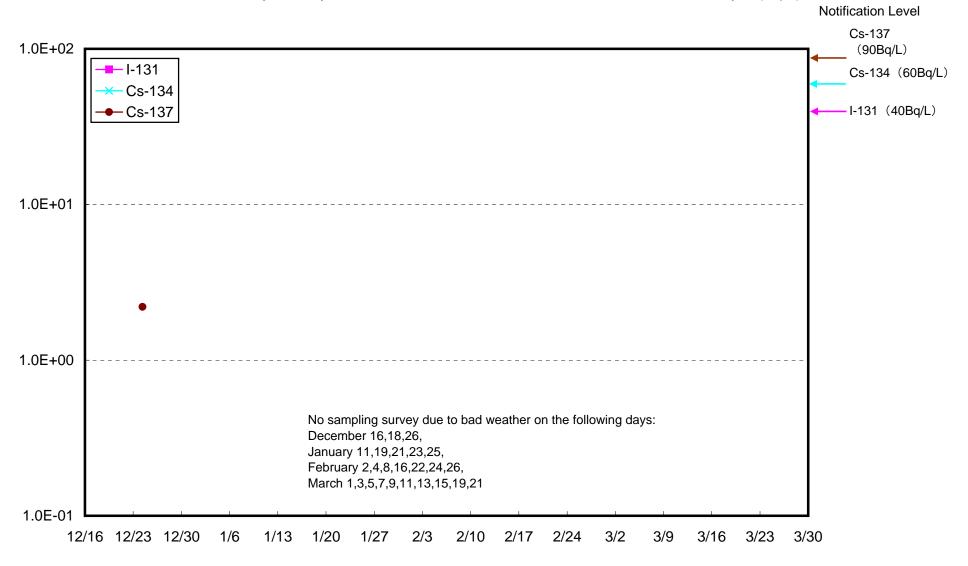




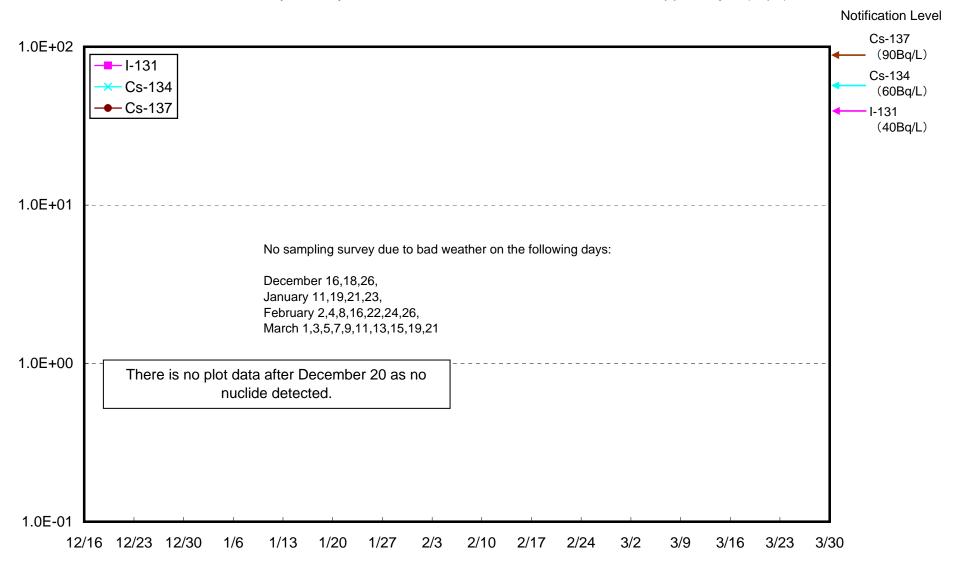




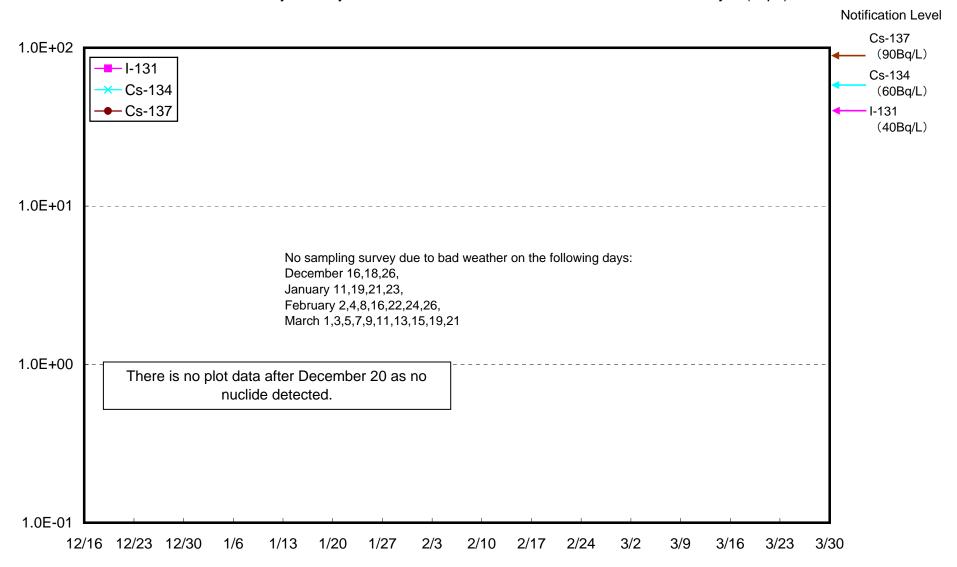
#### Radioactivity Density of Seawater 3km Offshore of Haramachi Ward Lower Layer (Bq/L)

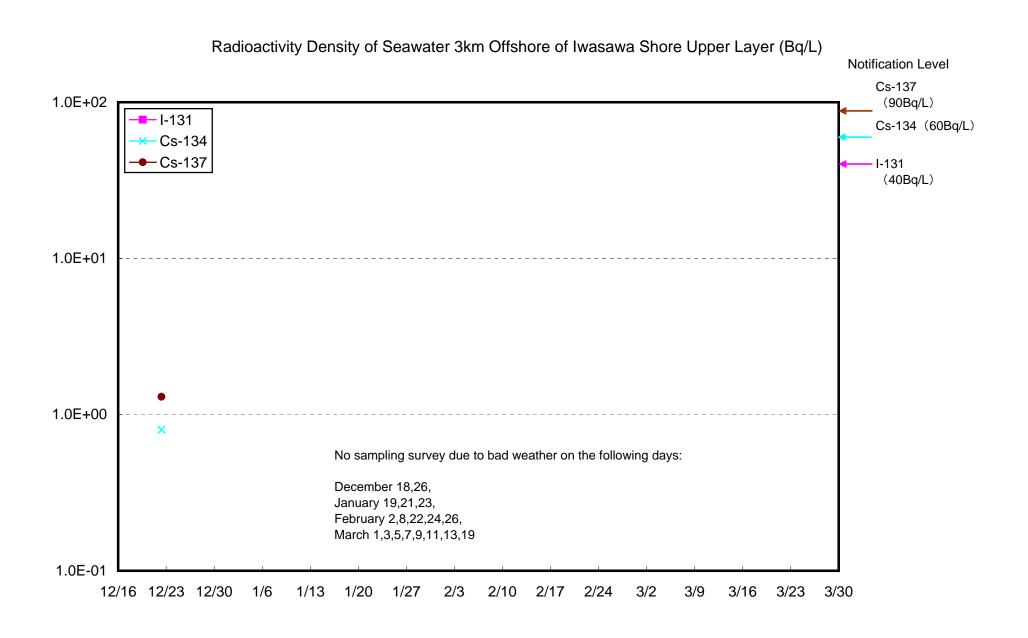


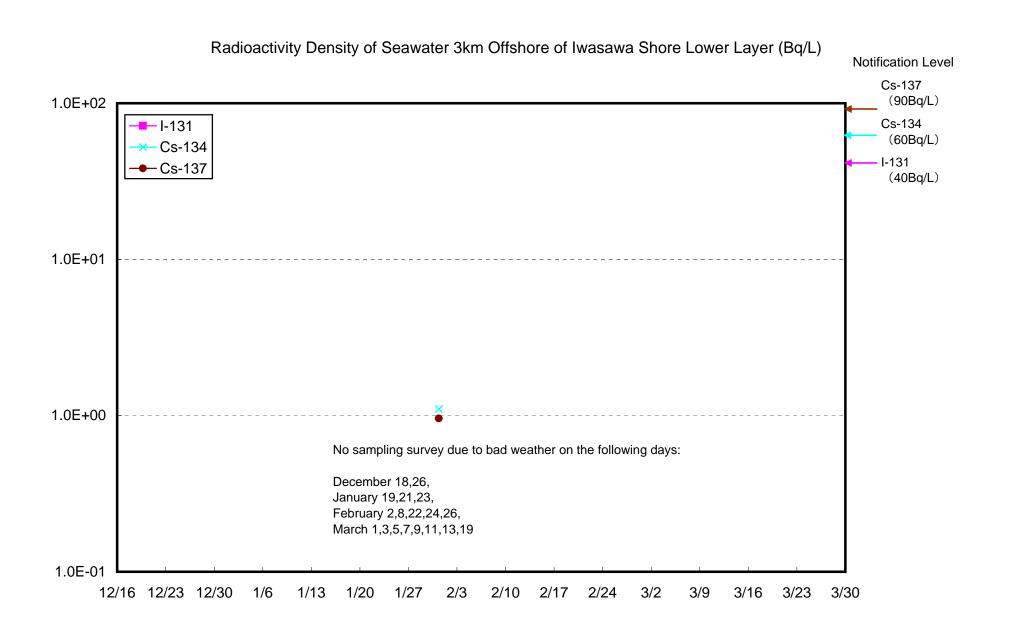
## Radioactivity Density of Seawater 3km Offshore of Odaka Ward Upper Layer (Bq/L)

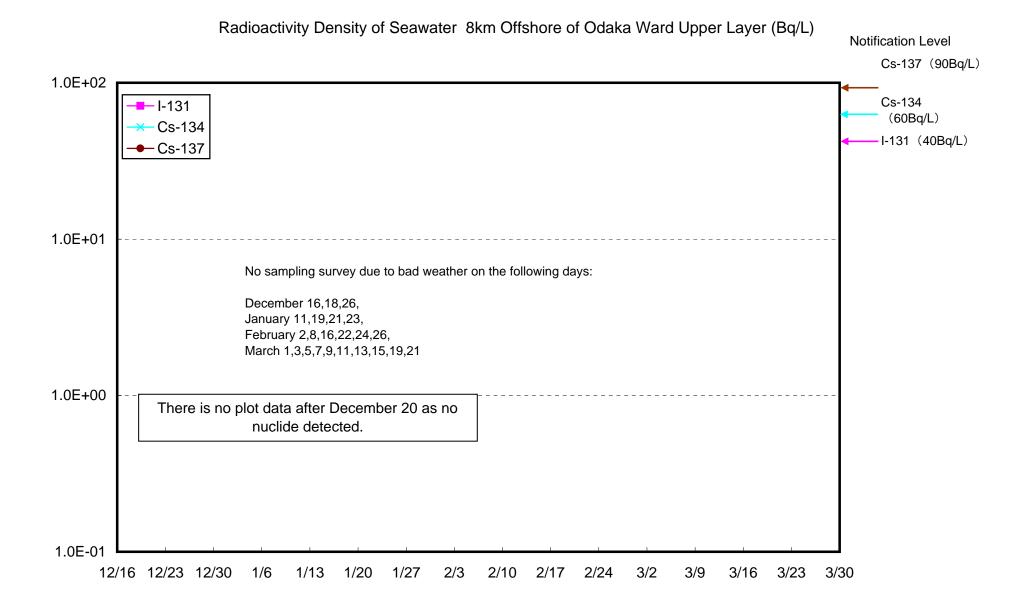


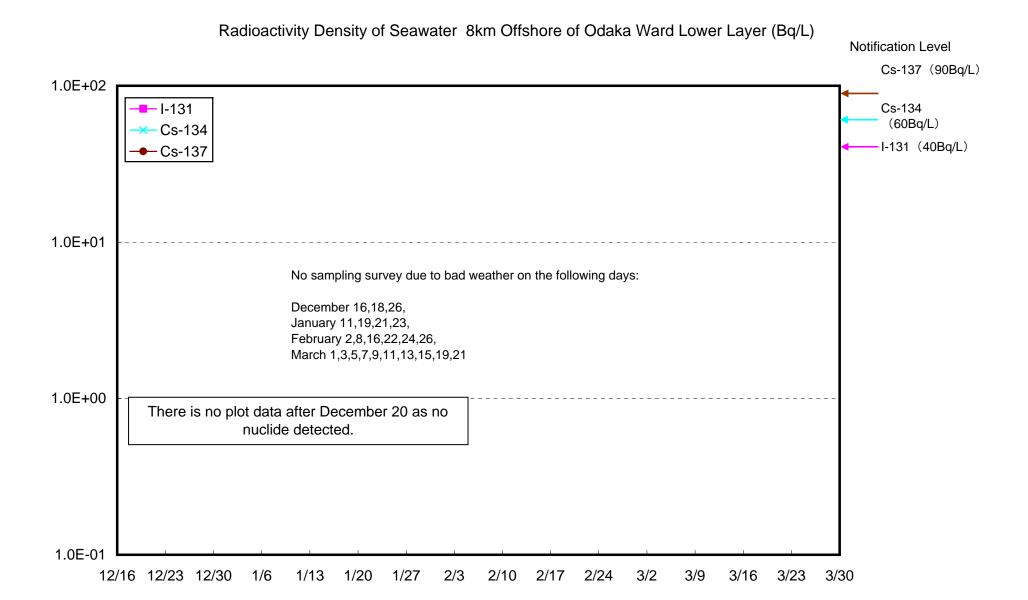
#### Radioactivity Density of Seawater 3km Offshore of Odaka Ward Lower Layer (Bq/L)

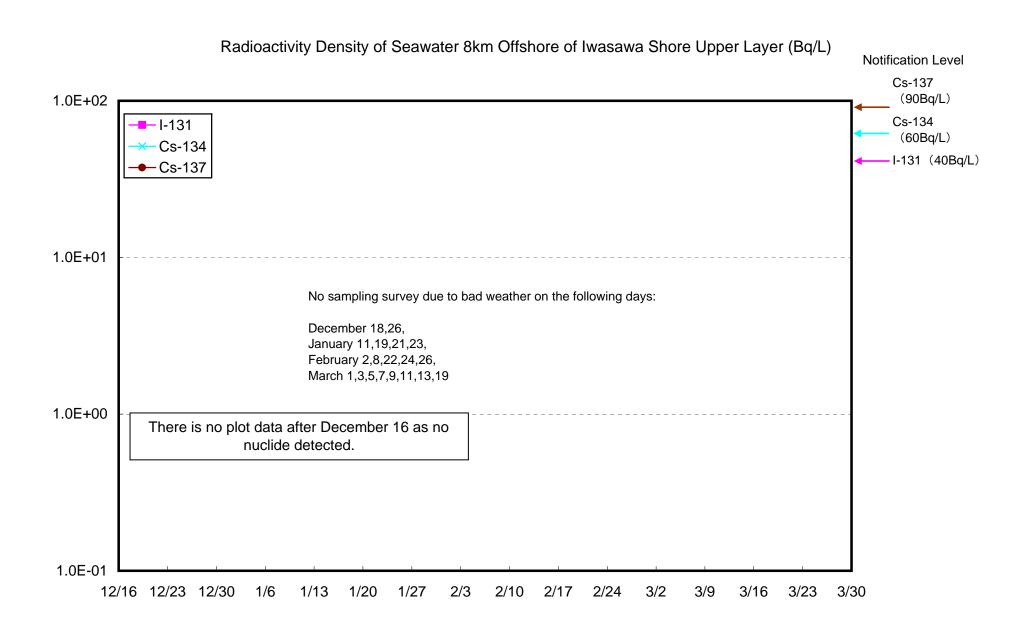


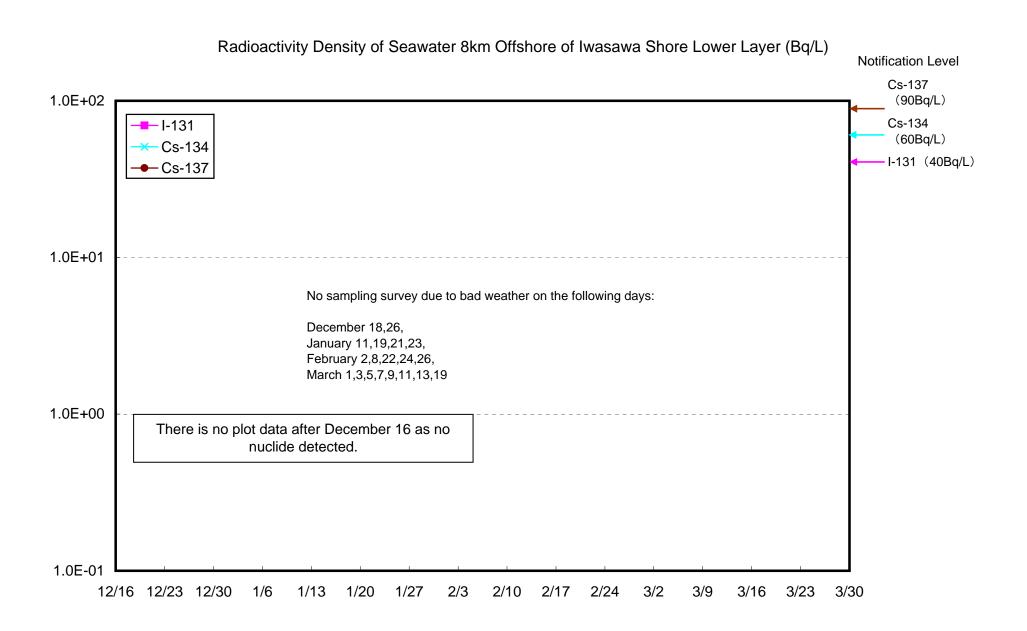












## Radioactivity Density of Seawater 5km Offshore of Numanouchi Upper Layer (Bq/L)

