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

Reference

(Data summarized on January 15)

									• '		
Place of Sampling	North of Discha of 5-6u (approx. 30m r discharge o	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 kg	of 2F u 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	Jan 14, 08:45		Jan 14, 08:20		Jan 14, 08:05		Jan 14, 07:45		(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)	1.9	0.03	1.2	0.02	ND	ND -		-	60		
Cs-137 (about 30 years)	2.7	0.03	1.5 0.02		1.5 0.02		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. 0.76Bq/L, Cs-134: approx. 0.86Bq/L, Cs-137: approx. 0.98Bq/L

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

Reference

(Data summarized on January 15)

Place of Sampling Time of Sampling	CityUpper Layer  Jan 13, 2012		15 km offshore of Minami-Souma CityLower Layer Jan 13, 2012		15 km offshore of Ukedo-gawa Upper Layer N/A		15 km offshore of Ukedo-gawa Lower Layer N/A		15 km offshore of Fukushima Daiichi Upper Layer N/A		15 km offshore of Fukushima Daiichi Lower Layer N/A		② Density limit by the announcement of Reactor Regulation (Bq/L)
Detected Nuclides	09:45 a  ①Density of Sample	Scaling Factor	09:45 a  ①Density of Sample	Scaling Factor	①Density of Sample	Scaling Factor	①Density of Sample	Scaling Factor	①Density of Sample	Scaling Factor	①Density of Sample	Scaling Factor	(the density limit in the water outside of surrounding monitored areas in the section 6 of
(Half-life)	(Bq/L)	(1)/2)	(Bq/L)	(1)/2)	(Bq/L)	(1)/2)	(Bq/L)	(1)/2)	(Bq/L)	(1)/2)	(Bq/L)	(1)/2)	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	15 km offsh Fukushima Da Layer	ini Upper	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-town Upper Layer		15 km offshore of Hirono-town Lower Layer		② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A		N/A		Jan 13, 2012 10:20 am		Jan 13, 2012 10:20 am		Jan 13, 2012 09:35 am		Jan 13, 2012 09:35 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	-	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. 0.74Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 1.0Bq/L

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

Reference

(Data summarized on January 15)

Place of Sampling	3 km offsh Haramachi Wa Layer	rd Upper				3 km offshore of Odaka Ward Upper Layer		3 km offshore of Odaka Ward Lower Layer		3 km offshore of Iwasawa shore Upper Layer		ore of re Lower	② Density limit by the announcement of Reactor Regulation
Time of Sampling	· ·	*		012 m	Jan 13, 2012 10:40 am		Jan 13, 2012 10:40 am		Jan 13, 2012 11:20 am		Jan 13, 2012 11:20 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	1	ND	-	ND	-	ND	ı	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 Odaka Ward 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 Reactor Regulation
Time of Sampling	Jan 13, 2 08:40 a		Jan 13, 2 08:40 a		,		Jan 13, 2012 10:55 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	1	ND	-	ND	ı	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. 0.91Bq/L, Cs-137: approx. 1.1Bq/L

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

Reference

(Data summarized on January 15)

Place of Sampling	3 km offshore of North of Iwaki Upper Layer Iwaki Lower Layer			3 km offshore of Natsui river Upper Layer		3 km offshore of Natsui river Lower Layer		3 km offshore of Onahama port Upper Layer		ore of rt Lower	② Density limit by the announcement of Reactor Regulation		
Time of Sampling	N/A		N/A		N/A		N/A		Jan 13, 2012 06:25 am		Jan 13, 2012 06:25 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	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	ı	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	90

Place of Sampling	3 km offshore 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 of Sampling	,	Jan 13, 2012 07:30 am		Jan 13, 2012 07:30 am		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	-	-	-	-	-	-	-	-	-	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.

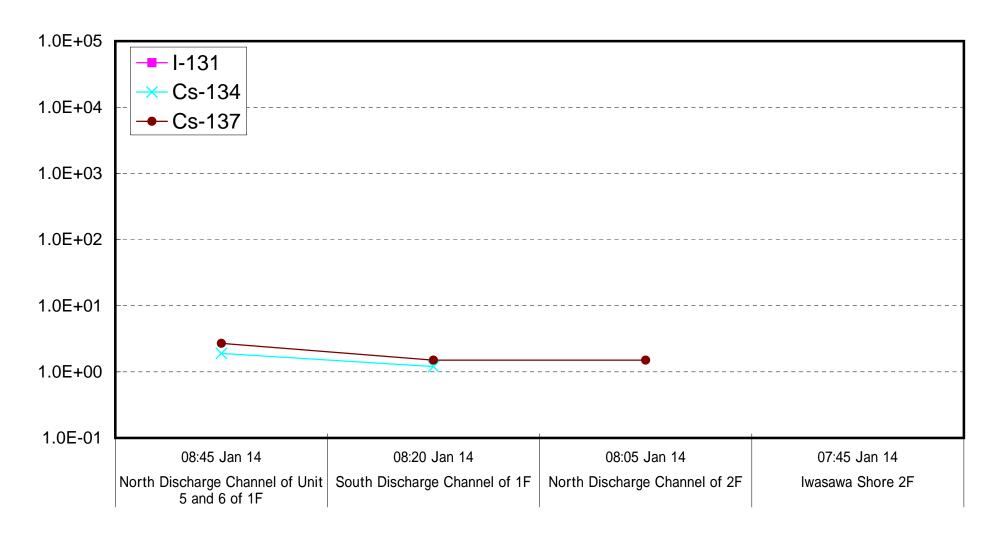
<sup>\*</sup> Data of other nuclides are under evaluation.

<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.

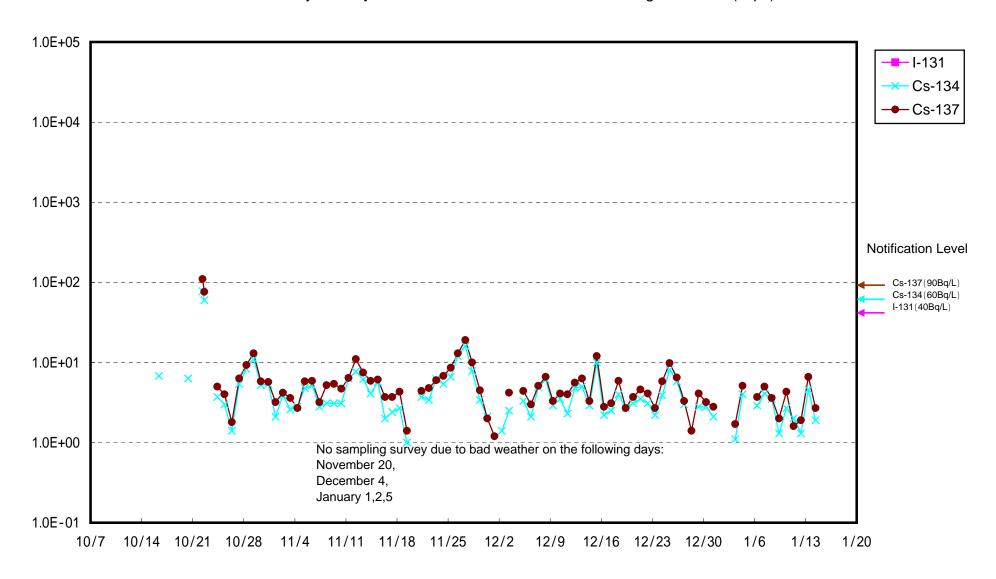
<sup>\* &</sup>quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.67Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.1Bq/L

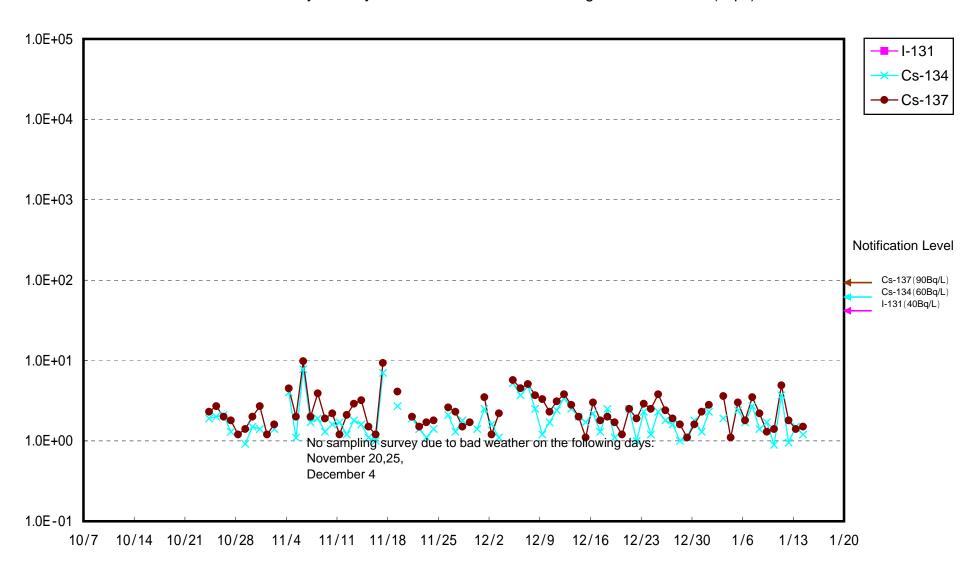
# Radioactivity Density of Seawater (Bq/L)



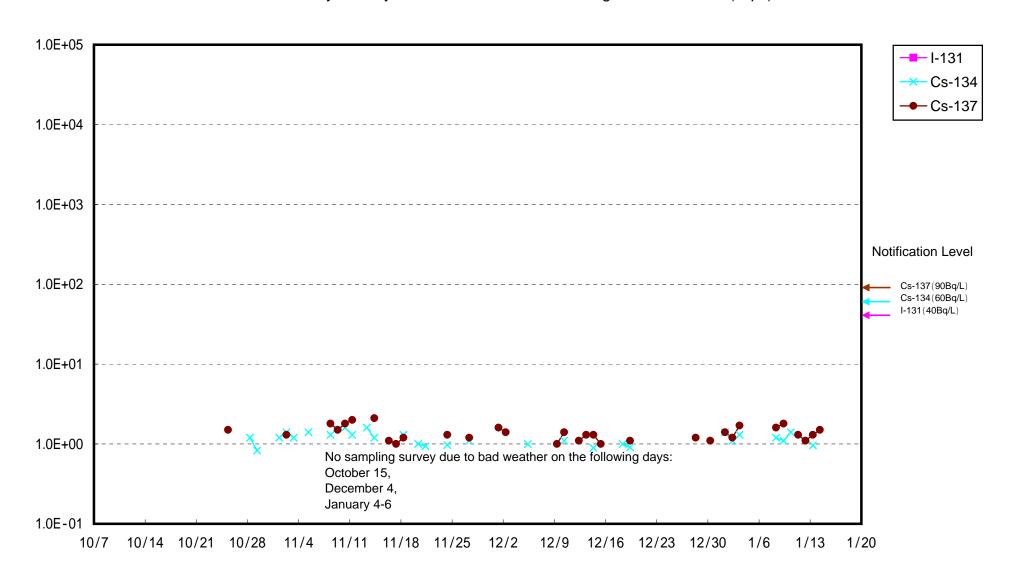
# Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



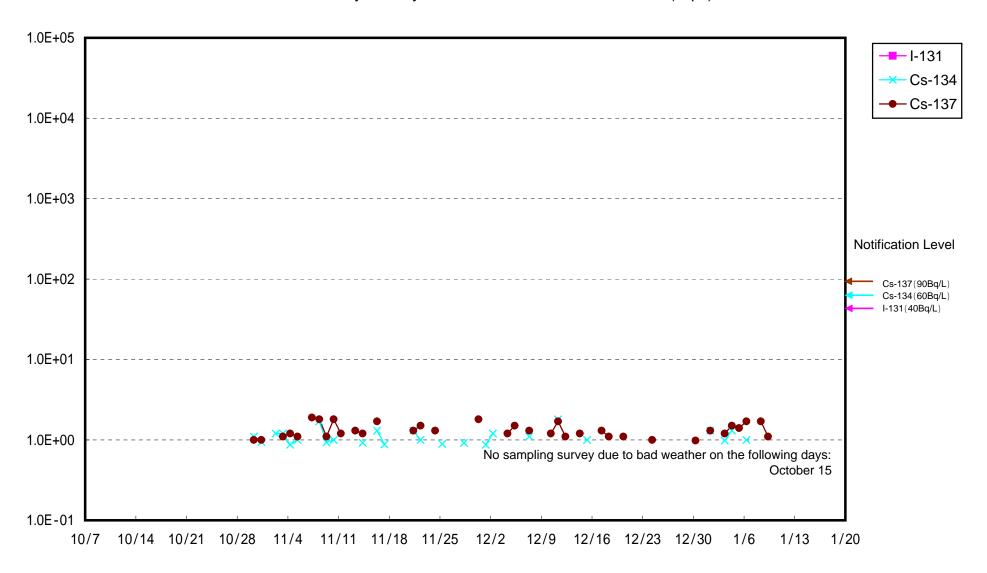
# Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



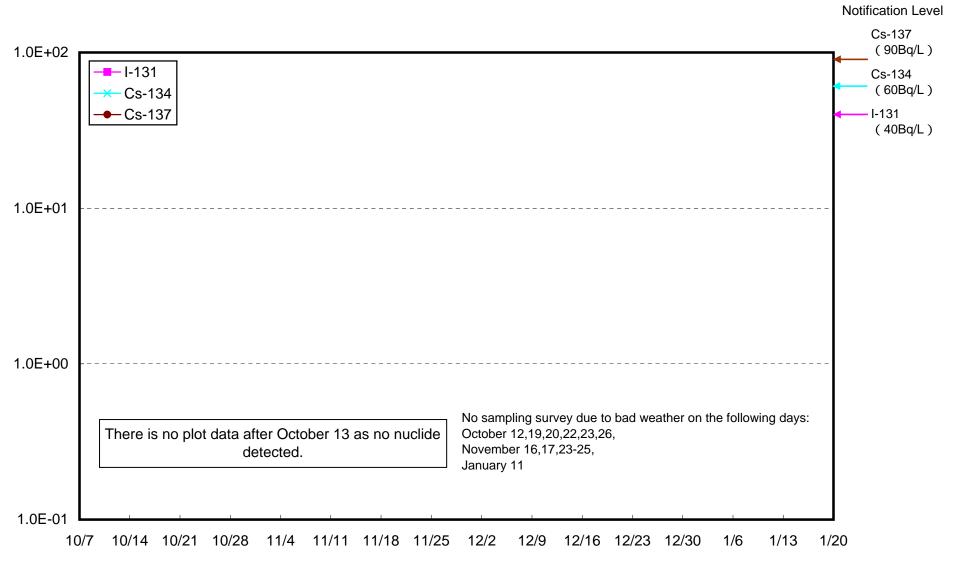
# Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



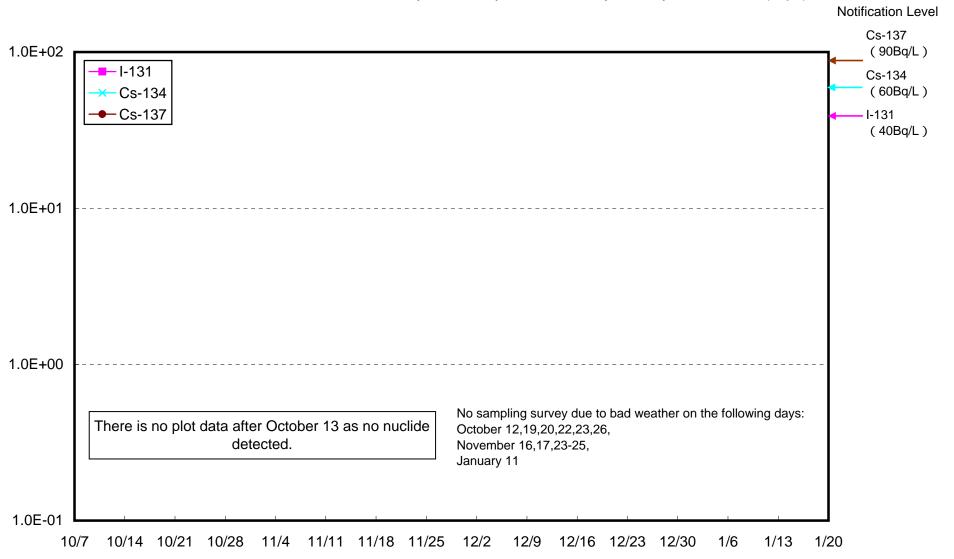
## Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)

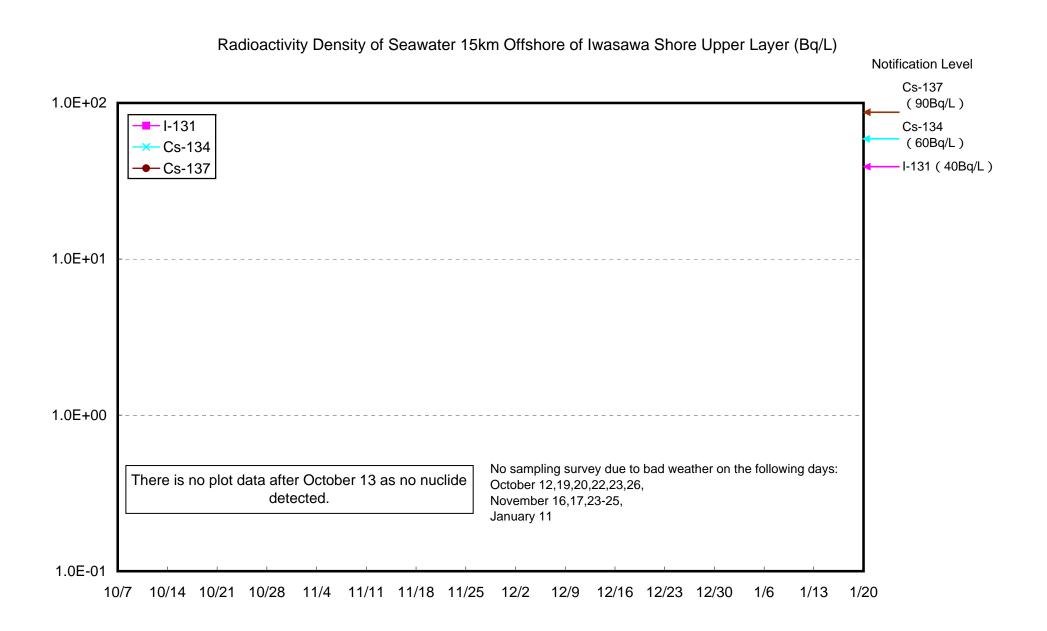


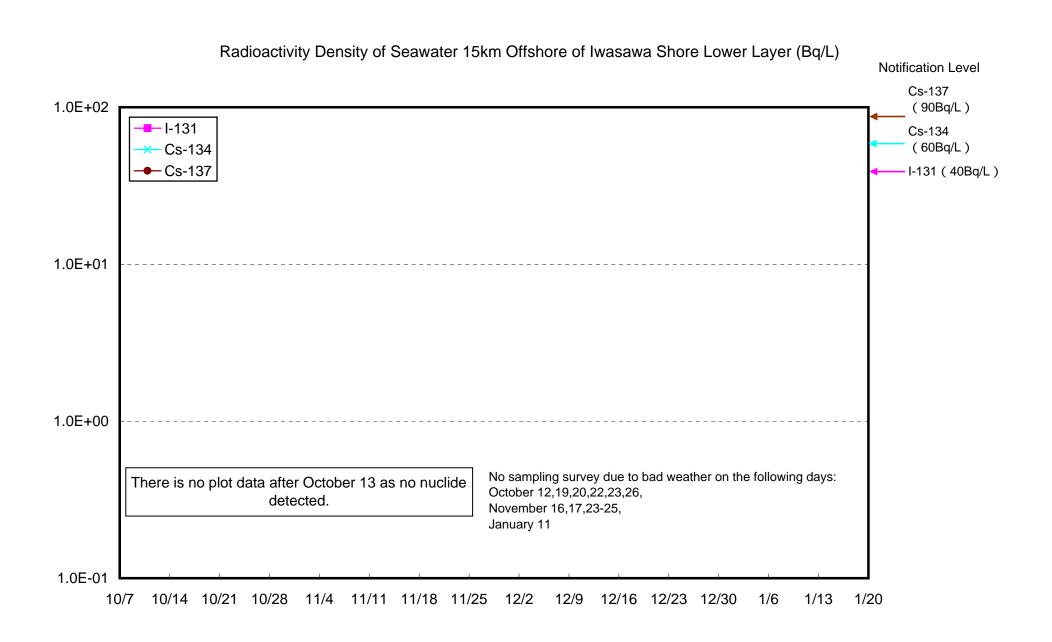


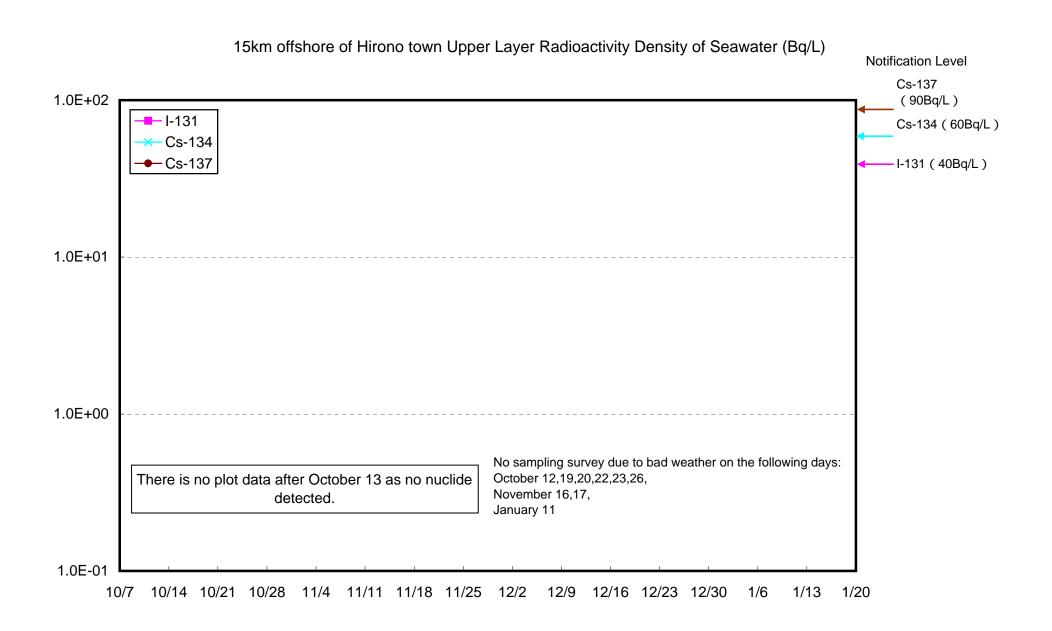


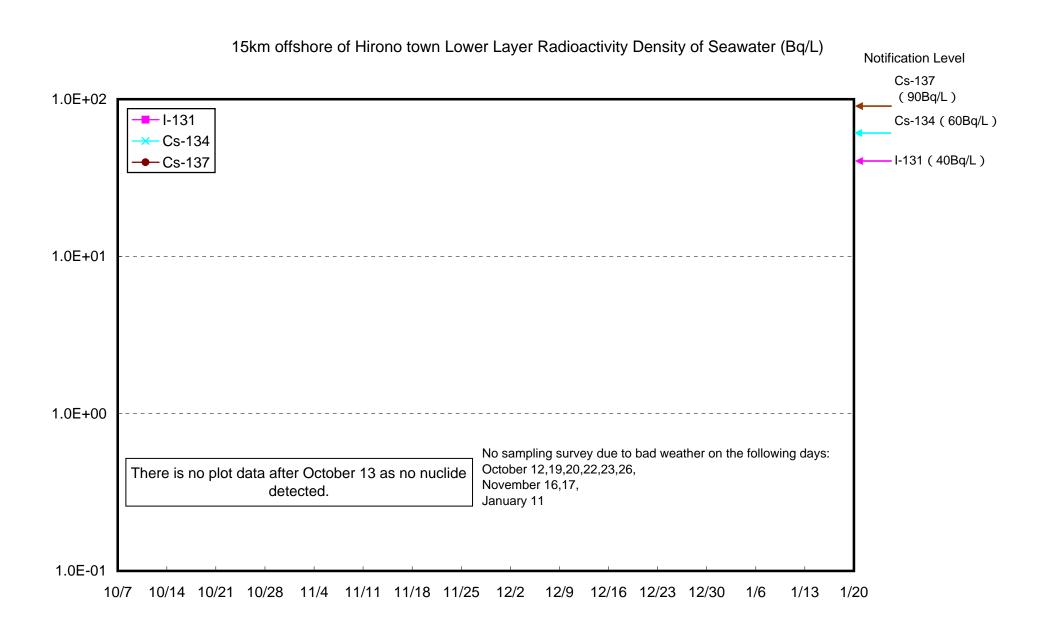


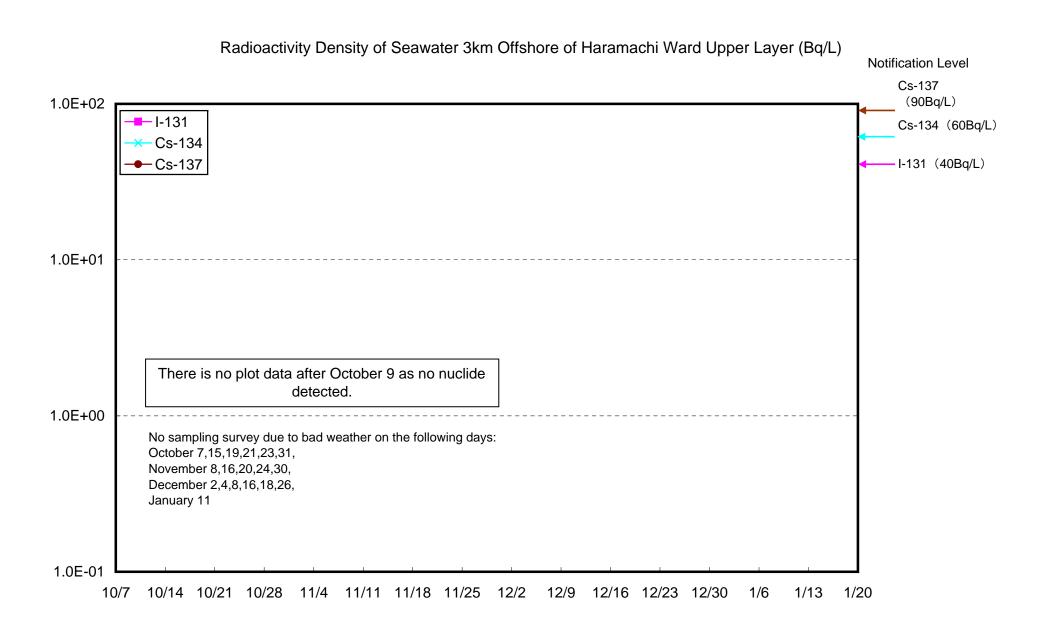


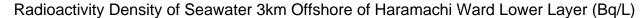


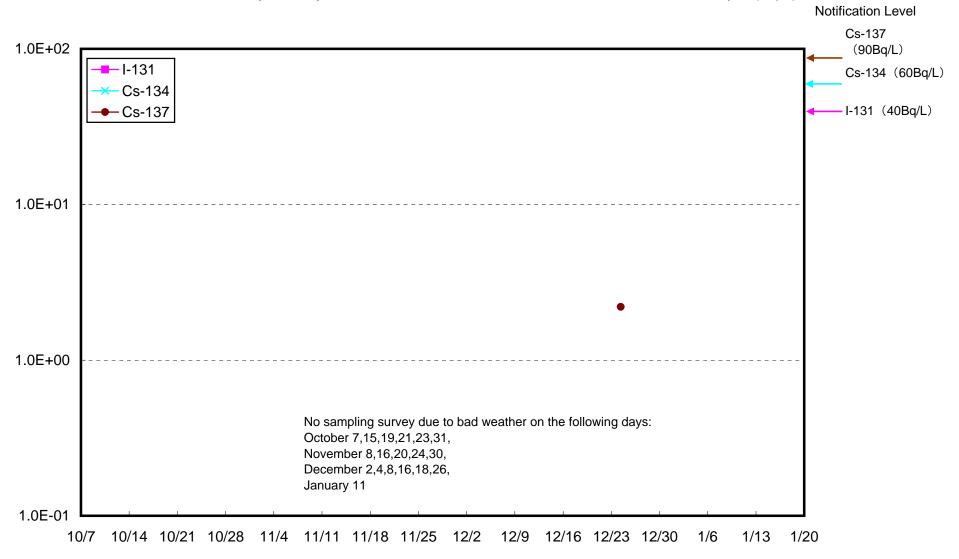




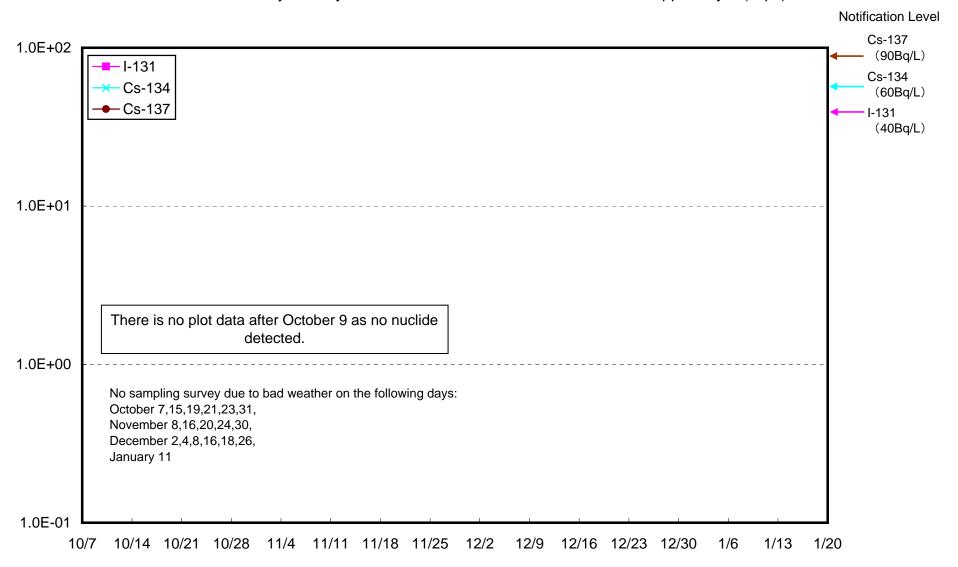








## Radioactivity Density of Seawater 3km Offshore of Odaka Ward Upper Layer (Bq/L)



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

