Nuclide Analysis Results of Radioactive Materials in Seawater < Coast>

Reference

(Data summarized on January 10)

Place of Sampling	North of Discha of 5-6u of (approx. 30m n discharge of	of 1F orth of 5-6u	Around South Channel (appox. 330m s 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)	Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored
Time of Sampling	January 9 8:50 <i>F</i>		January 9 8:25 <i>F</i>		January 9 8:20 <i>F</i>		January 9 8:00 /		
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 (/)	areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	1.3	0.02	1.7	0.03	1.1	0.02	ND	-	60
Cs-137 (about 30 years)	2.0	0.02	1.3	0.01	1.8	0.02	1.1	0.01	90

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

I-131: approx. 0.98Bq/L, Cs-134: approx. 0.92Bq/L

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore>

Reference

(Data summarized on January 10)

Place of Sampling	Minami-So	km offshore of 15 km offshore of inami-Souma Minami-Souma tyUpper Layer CityLower 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		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the	
Time of Sampling	N/A		N/A		Jan 08, 2012 09:15 am		Jan 08, 2012 09:15 am		Jan 08, 2012 08:40 am		Jan 08, 2012 08:40 am		
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	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	1.1	0.01	ND	-	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		Density limit by the announcement of Reactor Regulation
Time of Sampling	Jan 08, 2 08:05 a		Jan 08, 2 08:05 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)	ND	1	ND	1	-	-	-	-	-	-	1	-	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.

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

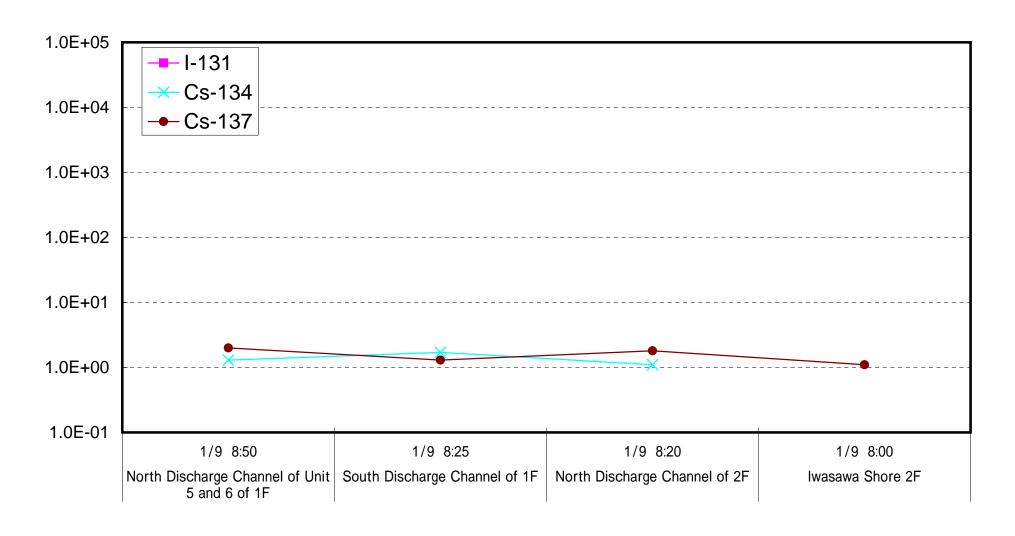
^{*} Data of other nuclides are under evaluation.

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

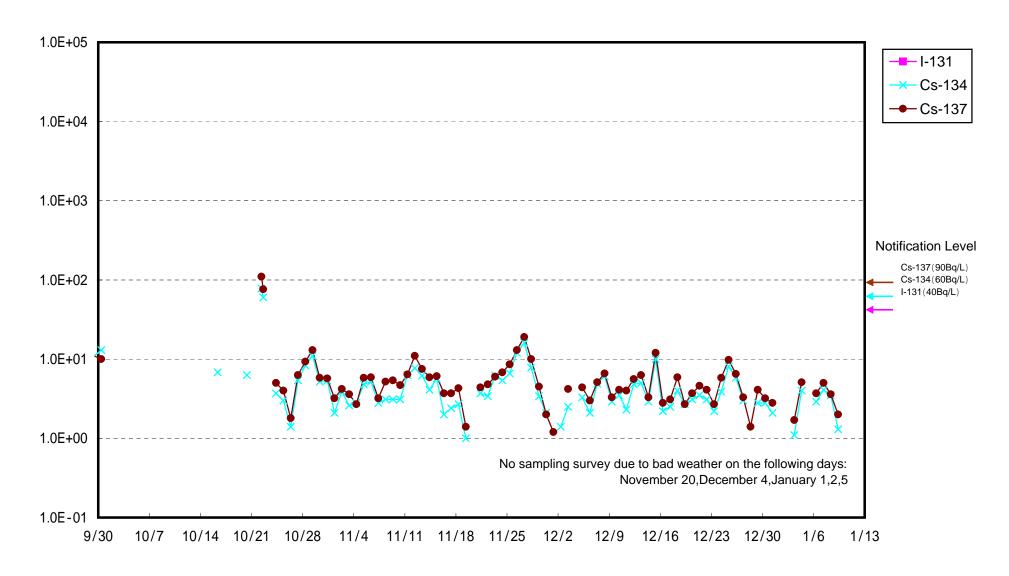
^{* &}quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.72Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 1.1Bq/L

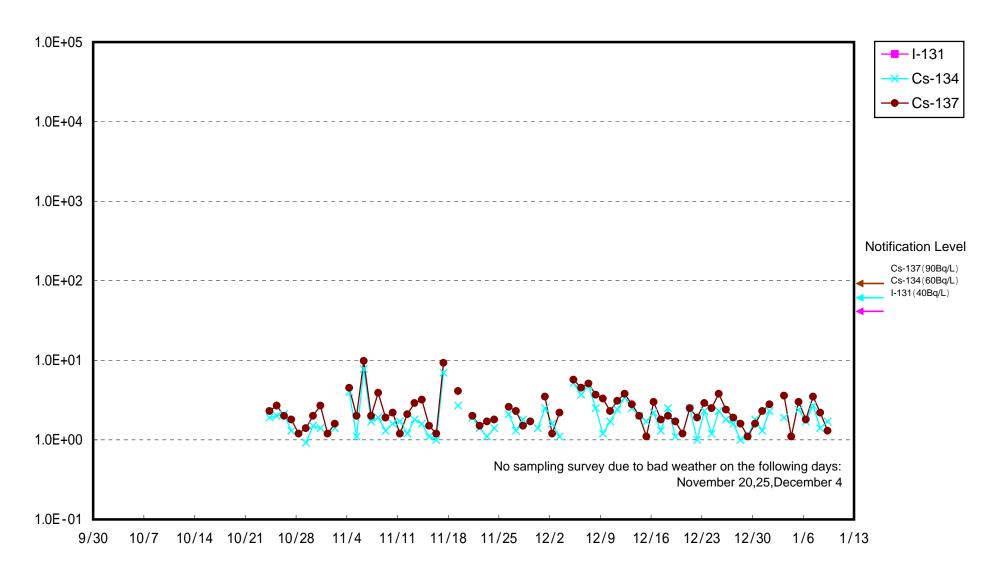
Radioactivity Density of Seawater (Bq/L)



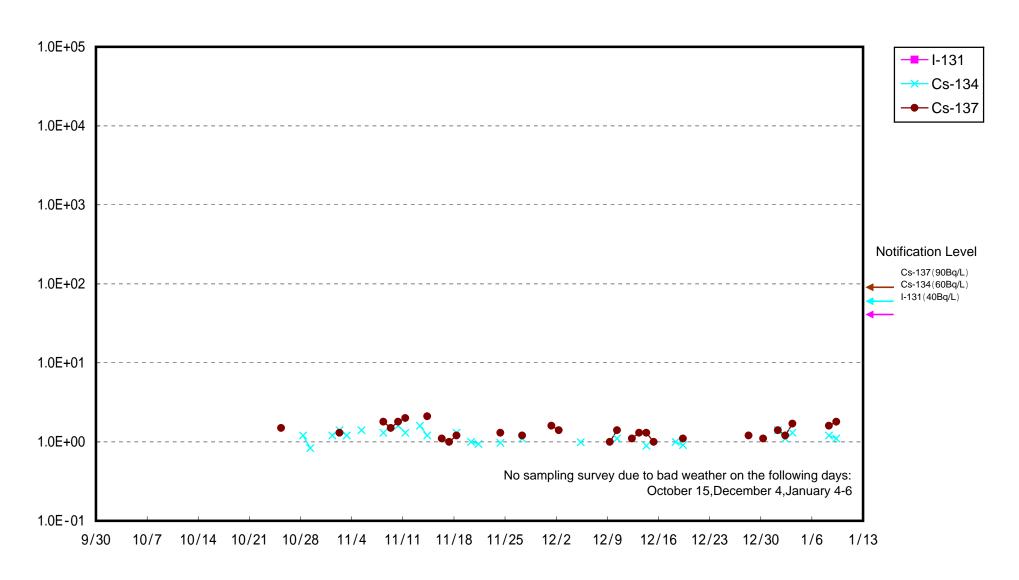
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



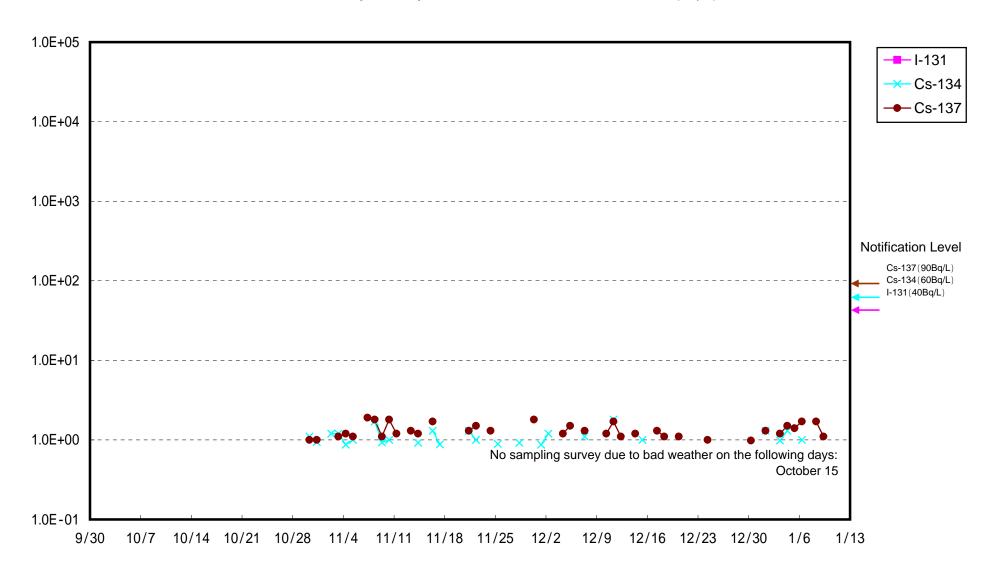
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



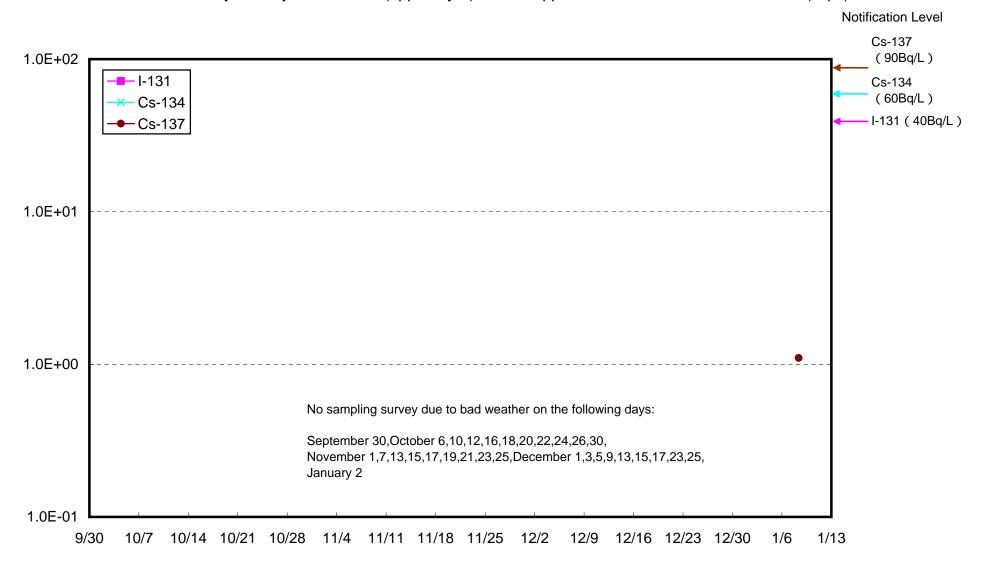
Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



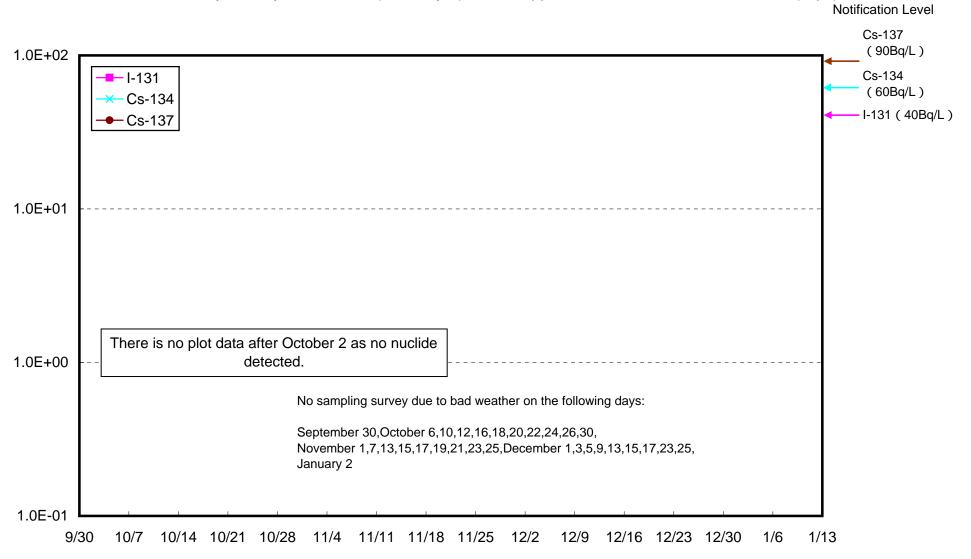
Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)



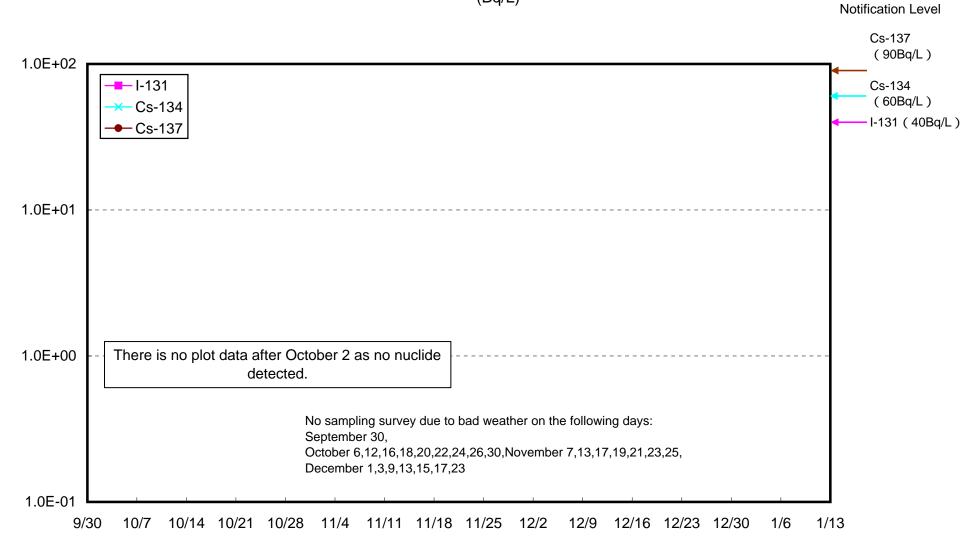
Radioactivity Density of Seawater (upper layer) around approx. 15 km offshore of Ukedo river (Bq/L)

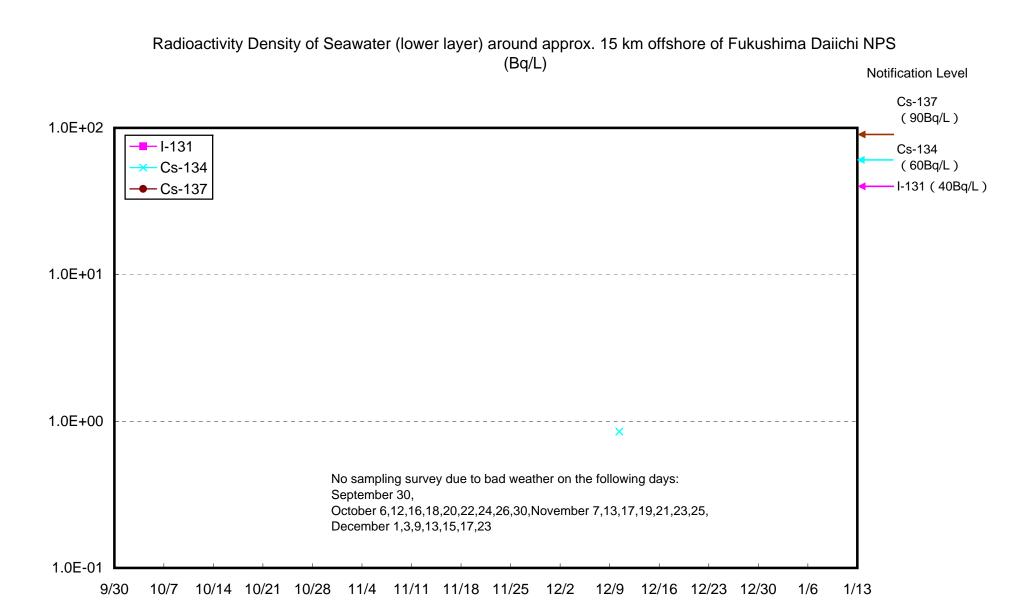


Radioactivity Density of Seawater (lower layer) around approx. 15 km offshore of Ukedo river (Bq/L)



Radioactivity Density of Seawater (upper layer) around approx. 15 km offshore of Fukushima Daiichi NPS (Bq/L)





Radioactivity Density of Seawater (upper layer) around approx. 15 km offshore of Fukushima Daini NPS (Bq/L) Notification Level Cs-137 1.0E+02 (90Bq/L) - I-131 Cs-134 (60Bq/L) Cs-134 I-131 -Cs-137 (40Bq/L) 1.0E+01 There is no plot data after October 2 as no nuclide 1.0E+00 detected. No sampling survey due to bad weather on the following days: September 30, October 6,12,16,18,20,22,24,26,30,November 7,13,17,19,21,23,25, December 1,3,9,13,15,17,23 1.0E-01

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9/30

