## Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on February 6)

Place of Sampling	North of Unit 5-6 Discharge Daiichi N (Approx. 30m North of Unit 5	IPS	Around South Discharge C Daiichi N (Appox. 1.3km South of Unit	the Reactor Regulation (Bq/L)		
Time of Sampling	Feb 5, 2 7:05 A		Feb 5, 2 7:45 A	(The density limit in the water outside the surrounding monitored areas is provided in		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	section 6 of Appendix 2.)	
I-131 (Approx. 8 days)	ND	-	ND	-	40	
Cs-134 (Approx. 2 years)	ND	-	ND	-	60	
Cs-137 (Approx. 30 years)	ND	-	ND	-	90	

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

I-131: Approx. 0.58Bq/L, Cs-134: Approx. 1.1Bq/L, Cs-137: Approx. 1.4Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

 $<sup>\</sup>ensuremath{^{*}}$  "ND" indicates that the measurement result is below the detection limit.

# Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station, Remeasurement >

(Data summarized on February 6)

Place of Sampling	North of Unit 5-6 Discharge Daiichi N (Approx. 30m North of Unit 5	IPS	Around South Discharge C Daiichi N (Appox. 1.3km South of Unit	② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water		
Time of Sampling	Dec 24, 2 7:50 A		Dec 24, 2 8:35 A	outside the surrounding monitored areas is provided in		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample Scaling Factor (①/②)		section 6 of Appendix 2.)	
Cs-134 (Approx. 2 years)	0.20 0.00		0.37	0.01	60	
Cs-137 (Approx. 30 years)	0.34	0.00	0.68	0.01	90	

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by : Tokyo Electric Power Environmental Engineering Co., Inc.

# Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station, Remeasurement >

(Data summarized on February 6)

Place of Sampling	North of Unit 5-6 Discharge Daiichi N (Approx. 30m North of Unit 5	IPS	Around South Discharge C Daiichi N (Appox. 1.3km South of Unit	② Density Limit Specified by the Reactor Regulation (Bq/L)  (The density limit in the water		
Time of Sampling	Dec 31, 2 7:20 A		Dec 31, 2 7:50 A	outside the surrounding monitored areas is provided in		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L) Scaling Factor (①/②)		section 6 of Appendix 2.)	
Cs-134 (Approx. 2 years)	0.40	0.01	0.54	0.01	60	
Cs-137 (Approx. 30 years)	0.62	0.01	0.95	0.01	90	

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by : Tokyo Electric Power Environmental Engineering Co., Inc.

## Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daini Nuclear Power Station >

(Data summarized on February 6)

Place of Sampling	2F Around the North D (Around Unit 3-4 Disc (Approx. 10km	charge Channel)	Around the North Sid (Approx. 12km South of U Chann (Approx. 24km	② Density Limit Specified by the Reactor Regulation (Bq/L)		
Time of Sampling	Dec 25, 2 10:10 A		Dec 25, 2 7:25 A	(The density limit in the water outside the surrounding monitored areas is provided in		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	section 6 of Appendix 2.)	
I-131 (Approx. 8 days)	ND	-	ND	-	40	
Cs-134 (Approx. 2 years)	0.076	0.00	0.057	0.00	60	
Cs-137 (Approx. 30 years)	0.13	0.00	0.098	0.00	90	

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

I-131: Approx. 0.33Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit.

<sup>\*</sup> As to Cs-134 and Cs-137, analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted. Analyzed by Tokyo Electric Power Environmental Engineering Co., Inc.

## Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daini Nuclear Power Station >

(Data summarized on February 6)

Place of Sampling	2F Around the North D (Around Unit 3-4 Disc (Approx. 10km	charge Channel)	Around the North Sid (Approx. 12km South of U Channo (Approx. 24km	② Density Limit Specified by the Reactor Regulation (Bq/L)		
Time of Sampling	Jan 4, 2 9:50 A		Jan 4, 2 7:20 A	(The density limit in the water outside the surrounding monitored areas is provided in		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	section 6 of Appendix 2.)	
I-131 (Approx. 8 days)	ND	-	ND	-	40	
Cs-134 (Approx. 2 years)	0.068	0.00	0.066	0.00	60	
Cs-137 (Approx. 30 years)	0.12	0.00	0.13	0.00	90	

<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

I-131: Approx. 0.46Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

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

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\* &</sup>quot;ND" indicates that the measurement result is below the detection limit.

<sup>\*</sup> As to Cs-134 and Cs-137, analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted. Analyzed by Tokyo Electric Power Environmental Engineering Co., Inc.

#### Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore >

(Data summarized on February 6)

Place of Sampling (Place No.)	3km Offshore of Ukedo River (T-D1)			3km Offshore of Fukushima Daiichi NPS (T-D5)				3km Offshore of Fukushima Daini NPS (T-D9)				② Density Limit Specified by the Reactor Regulation		
	Upper La	ayer	Lower La	ayer	Upper La	ayer	Lower La	ayer	Upper La	ayer	Lower La	ayer	(Bq/L)	
Time of Sampling	Dec 25, 2 9:14 Al		Dec 25, 2 9:14 A		Dec 25, 2 9:43 Al		Dec 25, 2 9:43 A		Dec 27, 2 9:27 Al		Dec 27, 2012 9:27 AM		(The density limit in the water outside the surrounding monitored	
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 is provided in section 6 of Appendix 2.)	
Cs-134 (Approx. 2 years)	0.0056	0.00	0.012	0.00	0.0084	0.00	0.018	0.00	0.040	0.00	0.056	0.00	60	
Cs-137 (Approx. 30 years)	0.014	0.00	0.021	0.00	0.016	0.00	0.031	0.00	0.070	0.00	0.094	0.00	90	

Place of Sampling (Place No.)	Upper La	Lower La	Upper Layer Lower Layer				Upper Layer Lower Layer				② Density Limit Specified by the Reactor Regulation (Bq/L)		
Time of Sampling												(The density limit in the water outside the surrounding monitored	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	areas is provided in section 6 of Appendix 2.)								
Cs-134 (Approx. 2 years)													60
Cs-137 (Approx. 30 years)													90

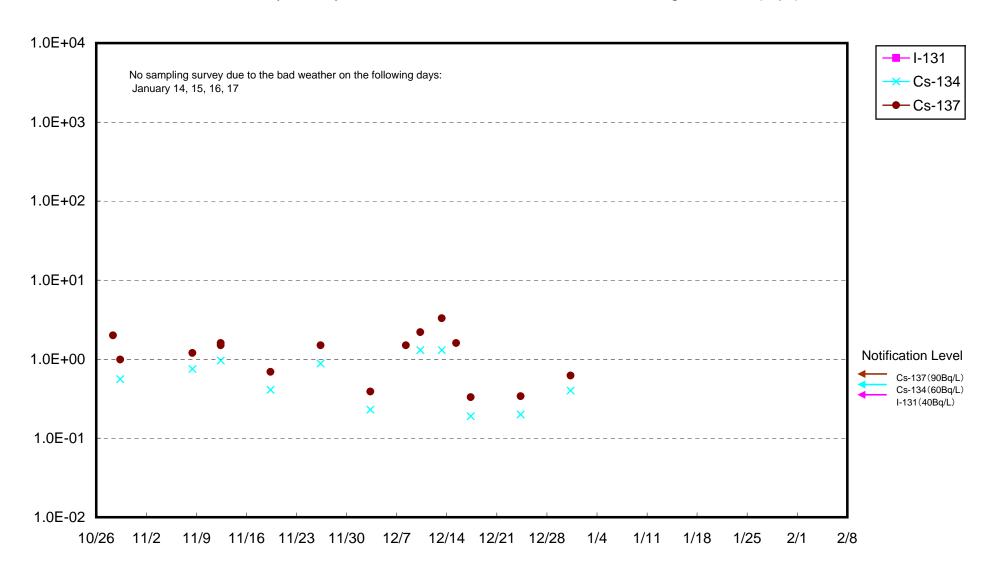
<sup>\*</sup> The density specified by the Reactor Regulation is converted from Bq/cm³ to Bq/L.

<sup>\*</sup> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

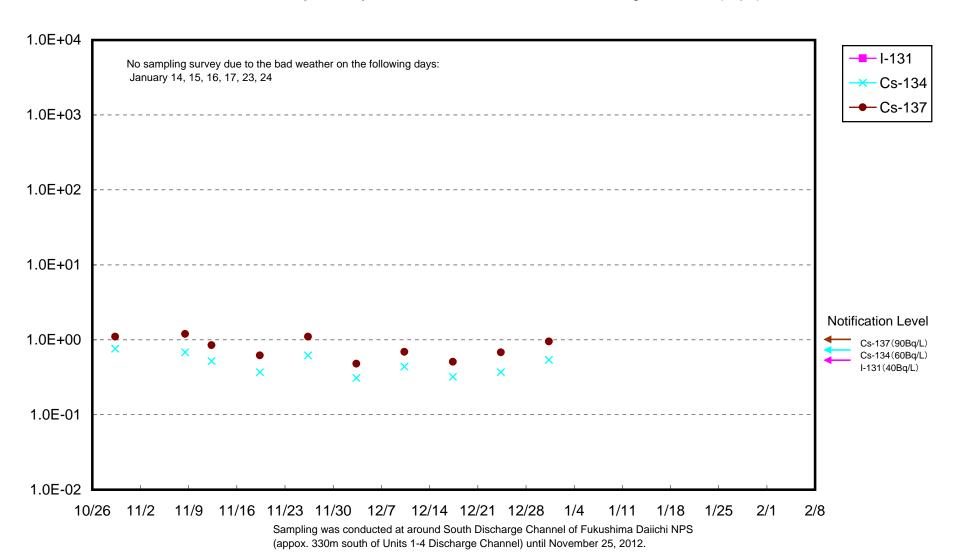
<sup>\*</sup> Analysis results by detail analysis (Phosphomolybdic acid ammonium adsorption sampling method) are noted.

<sup>\*</sup> Analyzed by: Tokyo Electric Power Environmental Engineering Co., Inc.

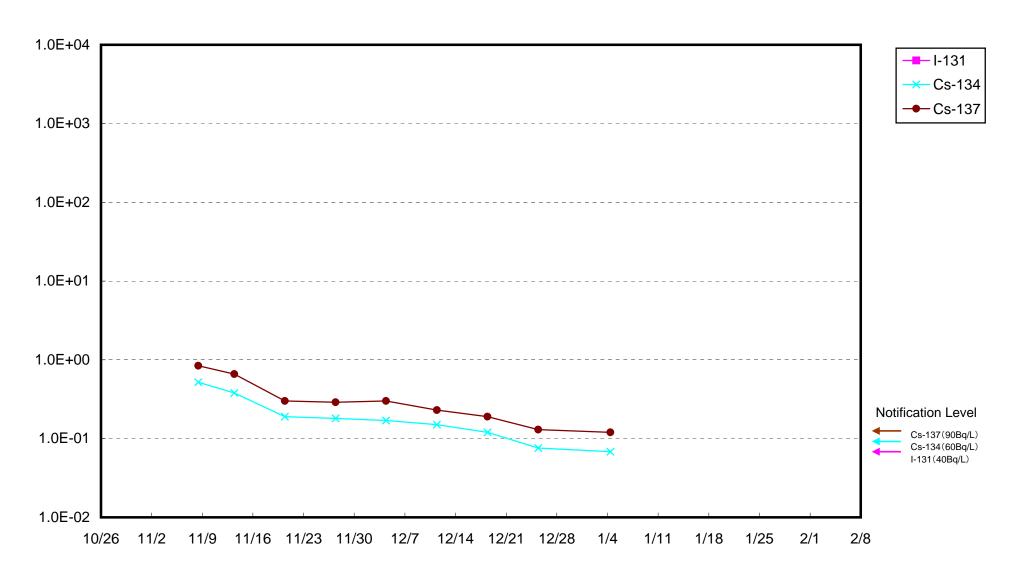
### Radioactivity Density of the Seawater at 1F Units 5-6 North Discharge Channel (Bq/L)



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



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



### Radioactivity Density of the Seawater at Around the North of Asamigawa (Bq/L)

