Reference

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

(Data summarized on October 10)

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. 330m South of Unit	Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in		
Time of Sampling	Oct 9, 20 8:30 A		Oct 9, 2 8:10 A			
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor	Density of Sample (Bq/L)	Scaling Factor	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. 0.44Bq/L, Cs-134: Approx.1.1Bq/L, Cs-137: Approx.1.5Bq/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.

#### Nuclides Analysis Result of the Radioactive Materials in the Seawater < Offshore 1/2 >

(Data summarized on October 10)

				*1									
Place of Sampling (Place No.) 3km Offshor			daka Ward (T-1	14)	3km Offshore of Ukedo River (T-D1)				3km Offshore	of Fukush	② Density Limit Specified by the Reactor Regulation		
	Upper La	Upper Layer Lo			Upper La	Jpper Layer		Lower Layer		Upper Layer		ayer	(Bq/L)
Time of Sampling	Sep 4, 2 7:55 A		Sep 4, 20 7:55 Al		Sep 10, 2 8:10 Al		Sep 10, 2 8:10 A		' '	Sep 10, 2012 8:25 AM		2012 M	(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)	0.010	0.00	0.064	0.00	0.22	0.00	0.056	0.00	0.083	0.00	0.023	0.00	60
Cs-137 (Approx. 30 years)	0.017	0.00	0.097	0.00	0.32	0.00	0.081	0.00	0.13	0.00	0.040	0.00	90

				*2				*1	*1				
Place of Sampling (Place No.)	3km Offshore	e of Fukus	hima Daini NPS	S (T-D9)	15km Offshore of Fukushima Daiichi NPS (T-5)				3km Offshore of Iwasawa Shore (T-11)				② Density Limit Specified by the Reactor Regulation
	Upper La	ayer	Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		(Bq/L)
Time of Sampling	Sep 11, 2 8:10 Al		Sep 11, 2 8:10 Al		Sep 5, 20 7:15 A		Sep 5, 2 7:15 A		Sep 5, 2012 8:40 AM		Sep 5, 2012 8:40 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)	0.021	0.00	0.0086	0.00	0.0029	0.00	ND	-	0.16	0.00	0.052	0.00	60
Cs-137 (Approx. 30 years)	0.039	0.00	0.015	0.00	0.0035	0.00	0.0036	0.00	0.25	0.00	0.082	0.00	90

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

Cs-134: Approx.0.0014Bq/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> In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

<sup>\*</sup> Analyzed by : \*1 THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD., \*2 Tokyo Electric Power Environmental Engineering Co., Inc.

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

### Nuclides Analysis Result of the Radioactive Materials in the Seawater < Offshore 2/2 >

(Data summarized on October 10)

Place of Sampling (Place No.)	3km Offsho	re of North	nern Iwaki City	(T-12)	1km Offs	hore of Na	atsui River (T-1	7-1)	3km C	Offshore of	② Density Limit Specified by the Reactor Regulation		
	Upper La	ayer	Lower La	ayer	Upper La	ayer	Lower Layer		Upper Layer		Lower Layer		(Bq/L)
Time of Sampling	Sep 7, 2 6:15 A			Sep 7, 2012 6:40 AM		Sep 7, 2012 6:40 AM		Sep 7, 2012 7:00 AM		Sep 7, 2012 7:00 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)	0.061	0.00	0.037	0.00	0.056	0.00	0.026	0.00	0.039	0.00	0.0090	0.00	60
Cs-137 (Approx. 30 years)	0.094	0.00	0.060	0.00	0.090	0.00	0.043	0.00	0.061	0.00	0.013	0.00	90

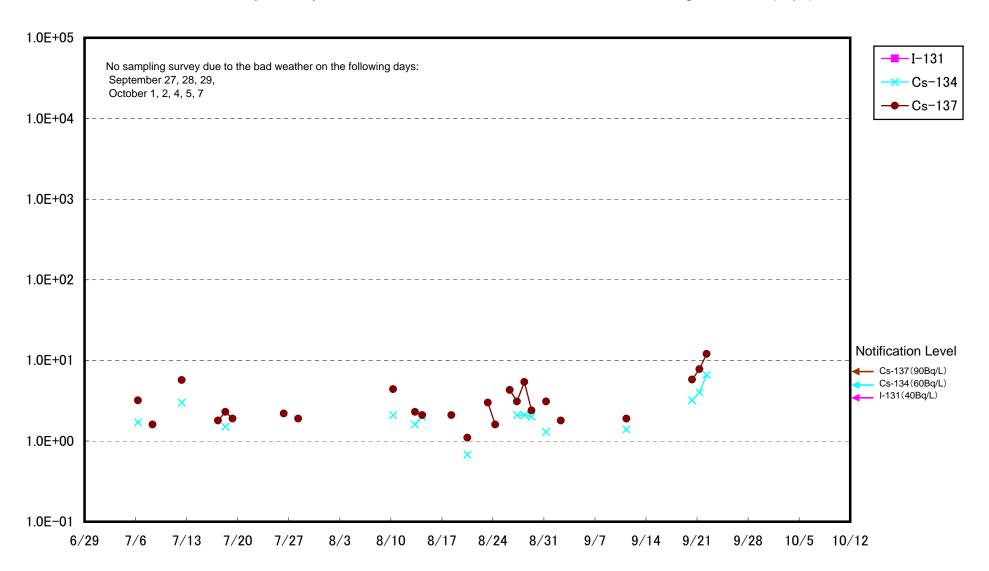
Place of Sampling (Place No.)											② Density Limit Specified by the Reactor Regulation		
	Upper Layer Lower Layer				Upper Layer		Lower Layer		Upper Layer		Lower Layer		(Bq/L)
Time of Sampling											(The density limit in the water outside the surrounding monitored		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	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)													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> Analyzed by : THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD.

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



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

