

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

(Data summarized on June 15)

Place of Sampling (Place No.)	Offshore of Minamisanriku (T-MG0)						Ishinomaki Bay (T-MG1)						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Middle Layer		Lower Layer		Upper Layer		Middle Layer		Lower Layer		
Time of Sampling	May 9, 2012 9:50 AM		May 9, 2012 9:38 AM		May 9, 2012 9:20 AM		May 9, 2012 11:03 AM		May 9, 2012 11:47 AM		May 9, 2012 11:30 AM		
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)	
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	0.015	0.00	0.016	0.00	0.014	0.00	60
Cs-137 (Approx. 30 years)	0.0019	0.00	0.0017	0.00	0.0020	0.00	0.023	0.00	0.024	0.00	0.021	0.00	90

Place of Sampling (Place No.)	Offshore of Kinkasan East (T-MG2)						Offshore of Kinkasan South Upper (T-MG3)						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Middle Layer		Lower Layer		Upper Layer		Middle Layer		Lower Layer		
Time of Sampling	May 9, 2012 8:18 AM		May 9, 2012 9:05 AM		May 9, 2012 8:25 AM		May 9, 2012 9:35 AM		May 9, 2012 10:10 AM		May 9, 2012 9:42 AM		
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)	
Cs-134 (Approx. 2 years)	0.0032	0.00	0.0044	0.00	0.0027	0.00	0.0025	0.00	0.0020	0.00	ND	-	60
Cs-137 (Approx. 30 years)	0.0044	0.00	0.0056	0.00	0.0046	0.00	0.0053	0.00	0.0036	0.00	0.0031	0.00	90

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

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

\* Analyzed by: THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD.

\* "ND" indicates that the measurement result is below the detection limit.

Cs-134: Approx.0.00090Bq/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.

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

(Data summarized on June 15)

Place of Sampling (Place No.)	Offshore of Shichigahama (T-MG4)						Central Area of Sendai Bay (T-MG5)						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Middle Layer		Lower Layer		Upper Layer		Middle Layer		Lower Layer		
Time of Sampling	May 9, 2012 9:20 AM		May 9, 2012 9:30 AM		May 9, 2012 9:22 AM		May 9, 2012 8:29 AM		May 9, 2012 8:43 AM		May 9, 2012 8:29 AM		
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)	
Cs-134 (Approx. 2 years)	0.014	0.00	0.018	0.00	0.020	0.00	0.021	0.00	0.010	0.00	0.023	0.00	60
Cs-137 (Approx. 30 years)	0.021	0.00	0.028	0.00	0.029	0.00	0.030	0.00	0.014	0.00	0.034	0.00	90

Place of Sampling (Place No.)	Offshore of Abukuma River (T-MG6)						/						② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	Upper Layer		Middle Layer		Lower Layer		Upper Layer		Middle Layer		Lower Layer		
Time of Sampling	May 9, 2012 7:25 AM		May 9, 2012 7:31 AM		May 9, 2012 7:23 AM		/		/		/		
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)	
Cs-134 (Approx. 2 years)	0.022	0.00	0.029	0.00	0.090	0.00	/	/	/	/	/	/	60
Cs-137 (Approx. 30 years)	0.032	0.00	0.041	0.00	0.12	0.00	/	/	/	/	/	/	90

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

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

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