

## Results of Nuclide Analysis of Seawater <Coast>

Reference

(Data summarized on May 31)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)				Around South Discharge Channel of 1F ( approx. 330m south of 1-4u Discharge Channel)				Around North Discharge Channel of 2F ( Around 3,4u Discharge Channel) ( approx. 10 km from 1F )		Around Iwasawa Shore of 2F ( approx. 7 km south of 1,2u Discharge Channel) ( approx. 16 km from 1F )		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)		
Time and Date of Sample Collection	Sampling was canceled on May 30, 2011		Sampling was canceled on May 30, 2011		Sampling was canceled on May 30, 2011		Sampling was canceled on May 30, 2011		Sampling was canceled on May 30, 2011		7:55 AM on May 30, 2011				
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )			
I-131 (about 8 days)	/	/	/	/	/	/	/	/	/	/	/	/	ND	-	40
Cs-134 (about 2 years)	/	/	/	/	/	/	/	/	/	/	/	/	30	0.50	60
Cs-137 (about 30 years)	/	/	/	/	/	/	/	/	/	/	/	/	32	0.36	90

Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L

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.

In the case that the data is below measurable limit (aproximately 7Bq/L for I-131, approximately 15Bq/L for Cs-137), "ND" is stated.

## Results of Nuclide Analysis of Seawater <Coast and Offshore>

(Data summarized on May 31)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)		Around South Discharge Channel of 1F (approx. 330m south of 1-4u Discharge Channel)		15 km offshore of Fukushima Daiichi		15 km offshore of Fukushima Daini		Density limit by the announcement of Reactor Regulation (Bq/cm <sup>3</sup> ) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time and Date of Sample Collection	May 9, 2011		May 9, 2011		May 9, 2011		May 9, 2011	
Detected Nuclides (Half-life)	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	Density of Sample ( Bq/cm <sup>3</sup> )	Scaling Factor ( / )	
I-131 (about 8 days)	9.6E-03	0.24	4.8E-03	0.12	4.6E-03	0.12	4.4E-03	0.11	4E-02
Cs-134 (about 2 years)	6.3E-02	1.1	6.3E-02	1.1	3.4E-02	0.57	3.0E-02	0.50	6E-02
Cs-137 (about 30 years)	6.8E-02	0.76	5.7E-02	0.63	4.0E-02	0.44	4.3E-02	0.48	9E-02
Sr-89 (about 51 days)	2.4E-03	0.01	1.9E-03	0.01	2.8E-04	0.00	1.4E-03	0.00	3E-01
Sr-90 (about 29 years)	4.4E-04	0.01	3.4E-04	0.01	1.2E-05	0.00	2.4E-04	0.01	3E-02

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

I - 1 3 1 , C s - 1 3 4 , C s - 1 3 7 were released on May 10.

Analyses Organization : Japan Chemical Analysis Center ( S r - 8 9 , 9 0 ) 、 Tokyo Electric Power Company ( I - 1 3 1 , C s - 1 3 4 , C s - 1 3 7 )

(Evaluation)

S r - 8 9 and 9 0 were detected at both coast and offshore. It is conceivable that this is due to the accident. However, results are below density limit in the water by the announcement of Reactor Regulation