

Nuclide Analysis Results of Radioactive Materials in Seawater < Coast, Fukushima Daiichi Nuclear Power Station >

(Data summarized on May 15)

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)		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	May 14, 2012 8:45 AM		May 14, 2012 8:15 AM		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (approx. 8 days)	ND	-	ND	-	40
Cs-134 (approx. 2 years)	ND	-	1.8	0.03	60
Cs-137 (approx. 30 years)	1.7	0.02	2.1	0.02	90

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

* "ND" means the sampled data is below measurable limit.

I-131: approx. 0.58Bq/L, Cs-134: approx. 1.3Bq/L

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

Nuclide Analysis Results of Radioactive Materials in Seawater <Offshore>

(Data summarized on May 15)

Place of Sampling	15 km offshore of Fukushima Daiichi Upper Layer		15 km offshore of Fukushima Daini Upper Layer						Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Date of sampling	Mar 14, 2012		Mar 14, 2012					
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 (/)	
I-131 (Approx. 8 days)	ND	-	ND	-					40
Cs-134 (Approx. 2 years)	ND	-	ND	-					60
Cs-137 (Approx. 30 years)	ND	-	ND	-					90
H-3 (Approx. 12 years)	ND	-	ND	-					60,000
All α	ND	-	ND	-					-
All β	ND	-	ND	-					-
Sr-89 (Approx. 51 days)	ND	-	ND	-					300
Sr-90 (Approx. 29 years)	ND	-	ND	-					30

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

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

* As for I-131, Cs-134 and Cs-137, results have been publicized on March 16.

* In the case the measurement is under the detection threshold, "ND" is marked.

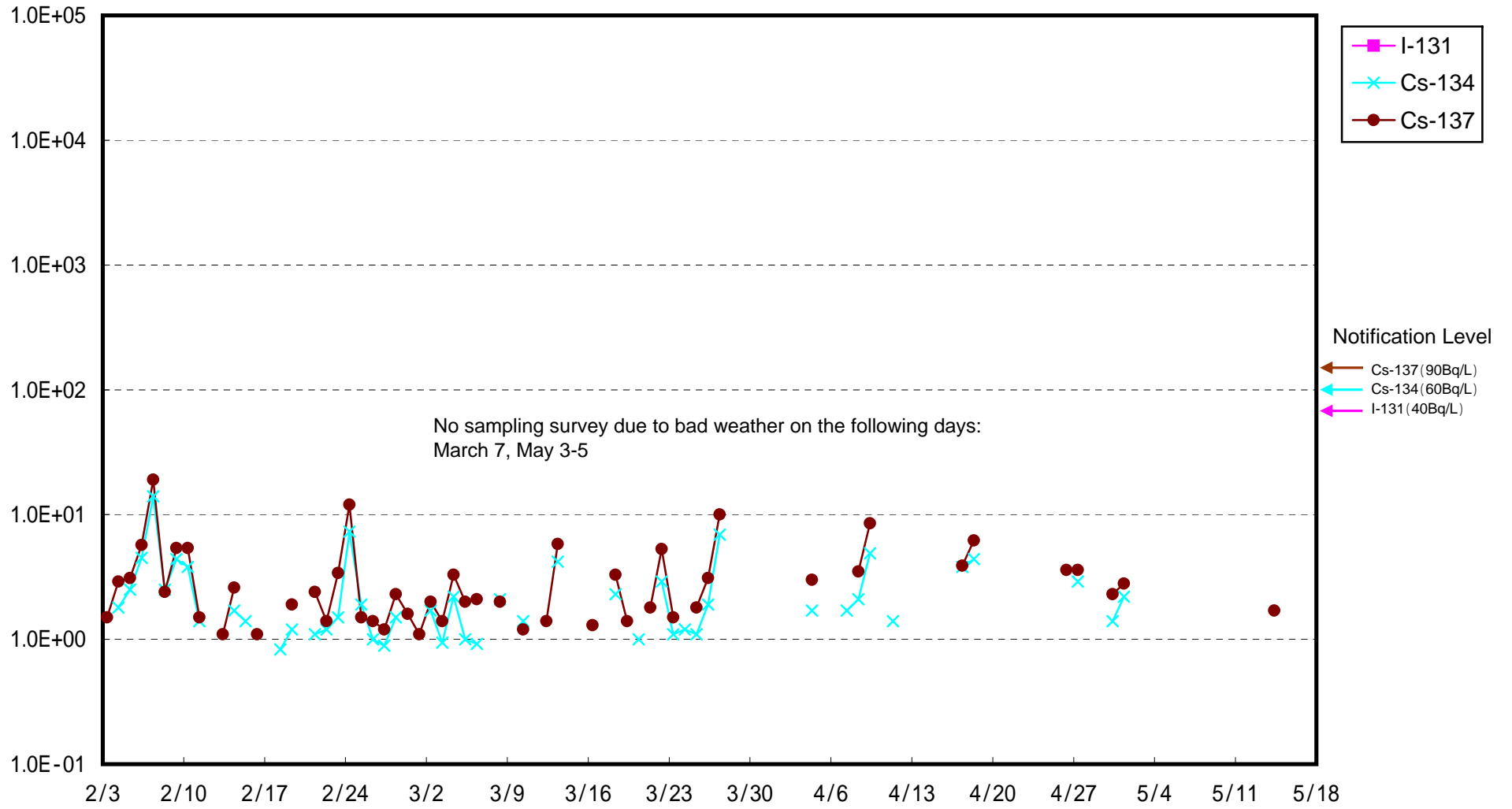
I-131: Approx. 0.68Bq/L, Cs-134: Approx. 0.98Bq/L, Cs-137: Approx. 1.0Bq/L, H-3: Approx. 2.8Bq/L, All α: Approx. 2.7Bq/L, All β: Approx. 20Bq/L, Sr-89: Approx. 0.02Bq/L, Sr-90: Approx. 0.008Bq/L

In addition, the detection threshold is different according to the detectors and the sample forms. So, it is possible to detect the nuclide under detection threshold.

(Evaluation)

H-3, all α, all β, Sr-89 and Sr-90 were not detected in the samples measured this time.

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)

