

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

(Data summarized on June 8)

Place of Sampling	North of Unit 5-6 Discharge Channel at 1F (Approx. 30m North of Unit 5-6 Discharge Channel)		Around 1F South Discharge Channel of 1F (Approx. 330m South of Unit 1-4 Discharge Channel)		Density Limit Specified by the Reactor Regulation (Bq/L)	
Time of Sampling	Jun 7, 2012 8:55 AM		Jun 7, 2012 (Not sampled)		(The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)		
I-131 (Approx. 8 days)	ND	-	-	-		40
Cs-134 (Approx. 2 years)	ND	-	-	-		60
Cs-137 (Approx. 30 years)	ND	-	-	-		90

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

* Data of other nuclides is under evaluation.

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

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

I-131: Approx. 0.51Bq/L, Cs-134: Approx.1.3Bq/L, Cs-137: Approx.1.6Bq/L

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

Reference

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

(Data summarized on June 8)

Place of Sampling	2F Around the North Discharge Channel (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)		Iwasawa Shore 2F (Approx. 7km south of Unit 1-2 Discharge Channel) (Approx. 16km from Fukushima Daiichi NPS)		Density Limit Specified by the Reactor Regulation (Bq/L)	
Time of Sampling	Jun 5, 2012 8:20 AM		Jun 5, 2012 7:40 AM		(The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)	
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)	0.27	0.00	ND	-		60
Cs-137 (Approx. 30 years)	0.43	0.00	ND	-	90	

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

* Data of other nuclides is under evaluation.

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

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

I-131: Approx. 0.17Bq/L, Cs-134: Approx.0.24Bq/L, Cs-137: Approx.0.30Bq/L

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

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

(Data summarized on June 8)

Place of Sampling	3km Offshore of Ukedo River (T-D1) Upper Layer		3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer		3km Offshore of Fukushima Daini NPS (T-D9) Upper Layer		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.)
Date of Sampling	Apr 5, 2012		Apr 5, 2012		Apr 5, 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 (/)	
I-131 (Approx. 8 days)	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	ND	-	ND	-	ND	-	60
Cs-137 (Approx. 30 years)	ND	-	ND	-	ND	-	90
H-3 (approx. 12yrs)	-	-	-	-	-	-	60,000
All α	-	-	-	-	-	-	-
All β	ND	-	ND	-	ND	-	-
Sr-89 (about 51 days)	ND	-	ND	-	ND	-	300
Sr-90 (About 29 years)	0.24	0.01	0.061	0.00	ND	-	30

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

* Radioactivity Density " - " means "not applicable".

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

* The result of I-131, Cs-134, Cs-137 and all β were announced on April 6.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 0.68Bq/L, Cs-134: Approx.0.91Bq/L, Cs-137: Approx.1.0Bq/L, All β: Approx. 21Bq/L, Sr-89: Approx. 0.1Bq/L, Sr-90: Approx. 0.02Bq/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 was done by Japan Chemical Analysis Center.

(Evaluation)

Although Sr-90 was detected supposedly as a result of this accident, it is less than the density limit in the water which is specified by the

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

(Data summarized on June 8)

Place of Sampling	15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer						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.)
	Date of Sampling	Apr 13, 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 (/)	
I-131 (Approx. 8 days)	-	-					40
Cs-134 (Approx. 2 years)	0.035	0.00					60
Cs-137 (Approx. 30 years)	0.049	0.00					90
H-3 (approx. 12yrs)	ND	-					60,000
All α	ND	-					-
All β	ND	-					-
Sr-89 (about 51 days)	ND	-					300
Sr-90 (About 29 years)	0.020	0.00					30

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

* Radioactivity Density " - " means "not applicable".

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

* The results of Cs-134 and Cs-137 were announced on May 17. The results of H-3, all α and all β were announced on May 30.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

H-3: Approx. 2.5Bq/L, All α: Approx. 3.2Bq/L, All β: Approx. 18Bq/L, Sr-89: Approx. 0.03Bq/L

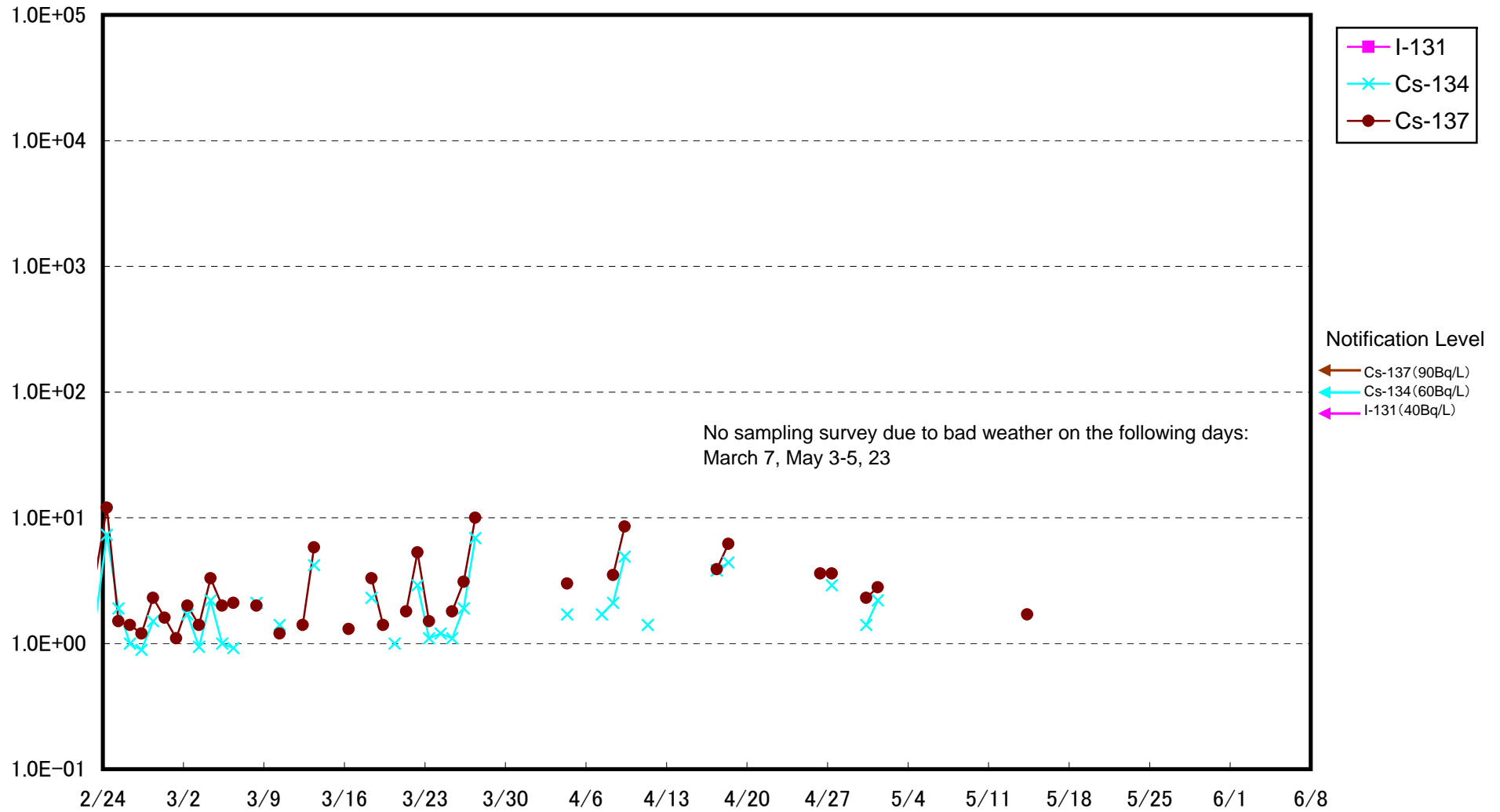
As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Nuclides analysis was done by Japan Chemical Analysis Center.

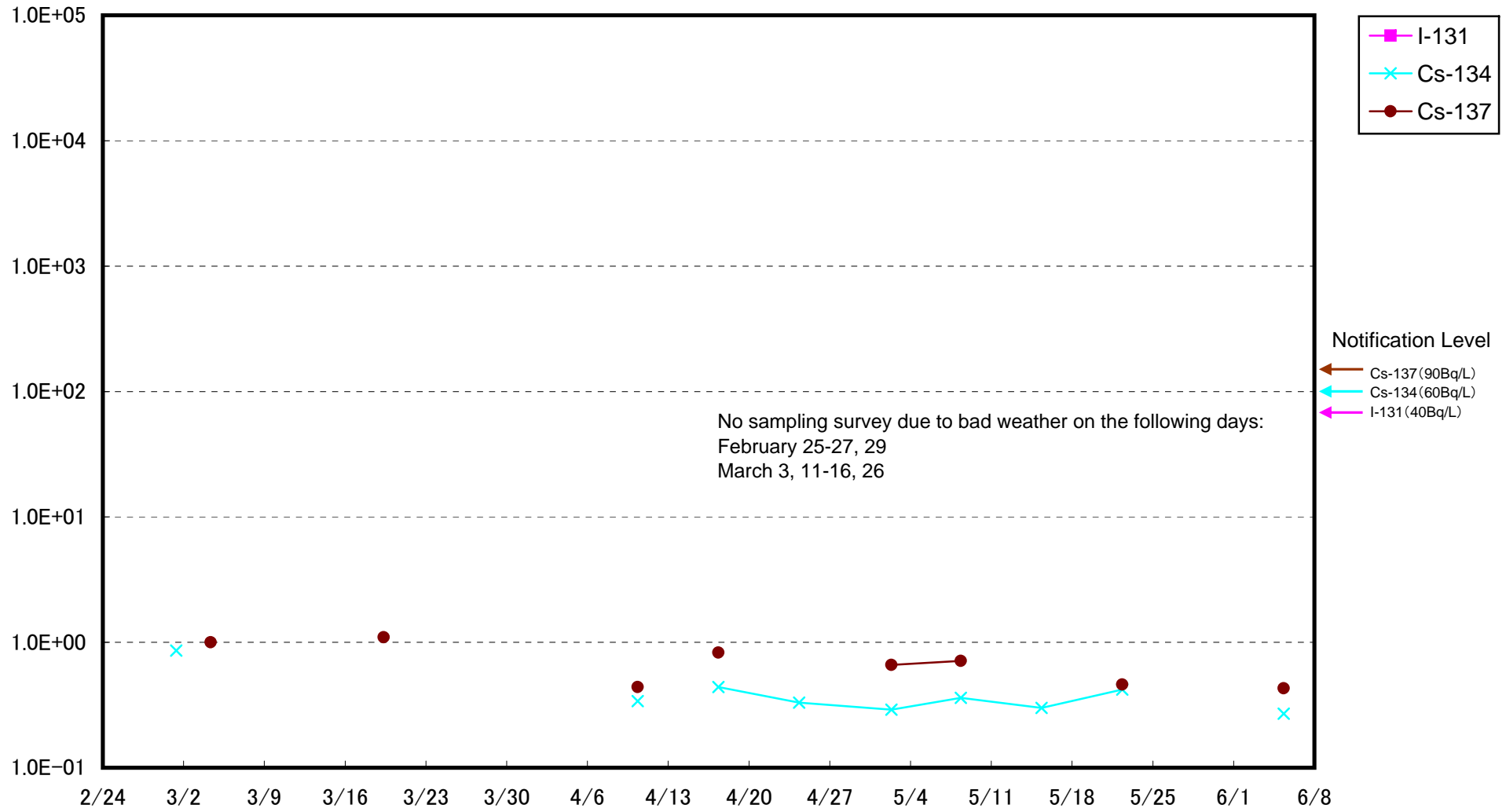
(Evaluation)

Although Sr-90 was detected supposedly as a result of this accident, it is less than the density limit in the water which is specified by the announcement.

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



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



Radioactivity Density of the Seawater at Iwasawa Shore at 2F (Bq/L)

