Reference

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

(Data summarized on September 21)

Place of Sampling	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel)		Around 1F South Discharge Channel of Fukushima Daiichi NPS (Appox. 330m South of Unit 1-4 Discharge Channel)		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.)
Time of Sampling	Sep 20, 2012 7:30 AM		Sep 20, 2012 7:10 AM		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	3.2	0.05	ND	-	60
Cs-137 (Approx. 30 years)	5.8	0.06	ND	-	90

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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. 0.55Bq/L, Cs-134: Approx.1.0Bq/L, Cs-137: Approx.1.3Bq/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.

Reference

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

(Data summarized on September 21)

Place of Sampling	2F Around the North Discharge Channel (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)				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.)
Time of Sampling	Sep 18, 2012 8:00 AM				
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
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/cm^3 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. 0.14Bq/L, Cs-134: Approx.0.22Bq/L, Cs-137: Approx.0.27Bq/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 Radioactive Materials in the Seawater < 1/2 >

(Data summarized on September 21)

Place of Sampling (Place No.)	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel) (T-1)		Around the South Discharge Channel at Fukushima Daiichi NPS (Approx. 330m South of Unit 1-4 Discharge Channel) (T-2)				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.)
Date of Sampling	Apr 16, 2012		Apr 16, 2012				
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)	
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. 12yrs)	3.8	0.00	ND	-			60,000
All α	ND	ー	ND	ー			ー
All β	ND	ー	ND	ー			ー

* The density specified by the Reactor Regulation is converted from Bq/cm3 to Bq/L.
* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.
* Nuclide analysis result of all β at around south discharge channel was announced on April 16.
  Nuclide analysis results of I-131, Cs-134 and Cs-137 were announced on April 17.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 0.53Bq/L, Cs-134: Approx.1.3Bq/L, Cs-137: Approx.1.6Bq/L, H-3: Approx. 2.5Bq/L, All α: Approx. 2.5Bq/L, All β: Approx. 27Bq/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.

(Evaluation)

Although H-3 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.

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

(Data summarized on September 21)

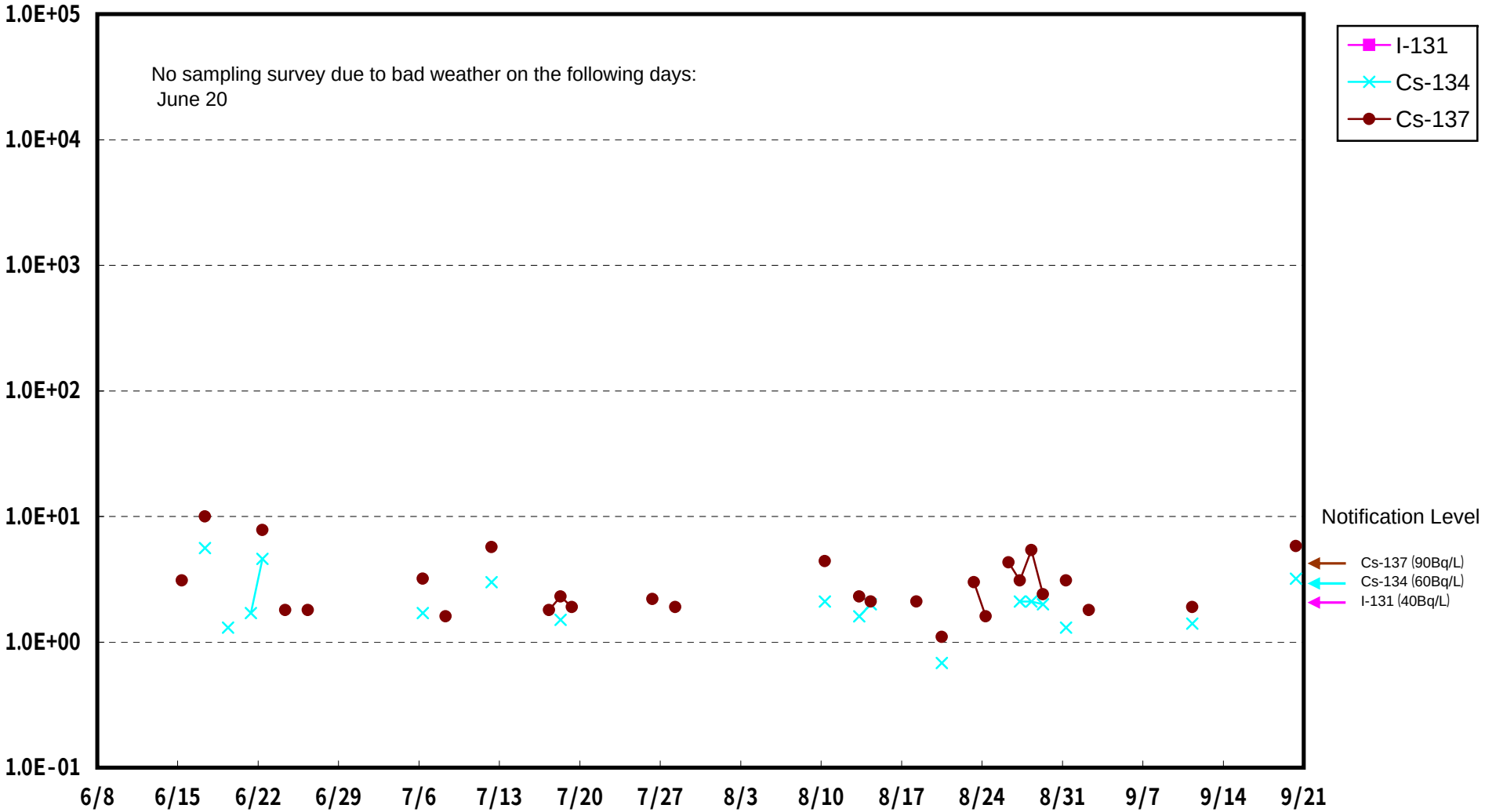
Place of Sampling (Place No.)	North of Unit 5-6 Discharge Channel at Fukushima Daiichi NPS (Approx. 30m North of Unit 5-6 Discharge Channel) (T-1)		Around the South Discharge Channel at Fukushima Daiichi NPS (Approx. 330m South of Unit 1-4 Discharge Channel) (T-2)				② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Date of Sampling	May 14, 2012		May 14, 2012				
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)	
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
H-3 (approx. 12yrs)	6.0	0.00	ND	-			60,000
All α	ND	－	ND	－			－
All β	ND	－	ND	－			－

* The density specified by the Reactor Regulation is converted from Bq/cm3 to Bq/L.
* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.
* Nuclide analysis result of all β at around south discharge channel was announced on May 14.
  Nuclide analysis results of I-131, Cs-134 and Cs-137 were announced on May 15.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 0.58Bq/L, Cs-134: Approx.1.3Bq/L, H-3: Approx. 2.7Bq/L, All α: Approx. 2.5Bq/L, All β: Approx. 28Bq/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.

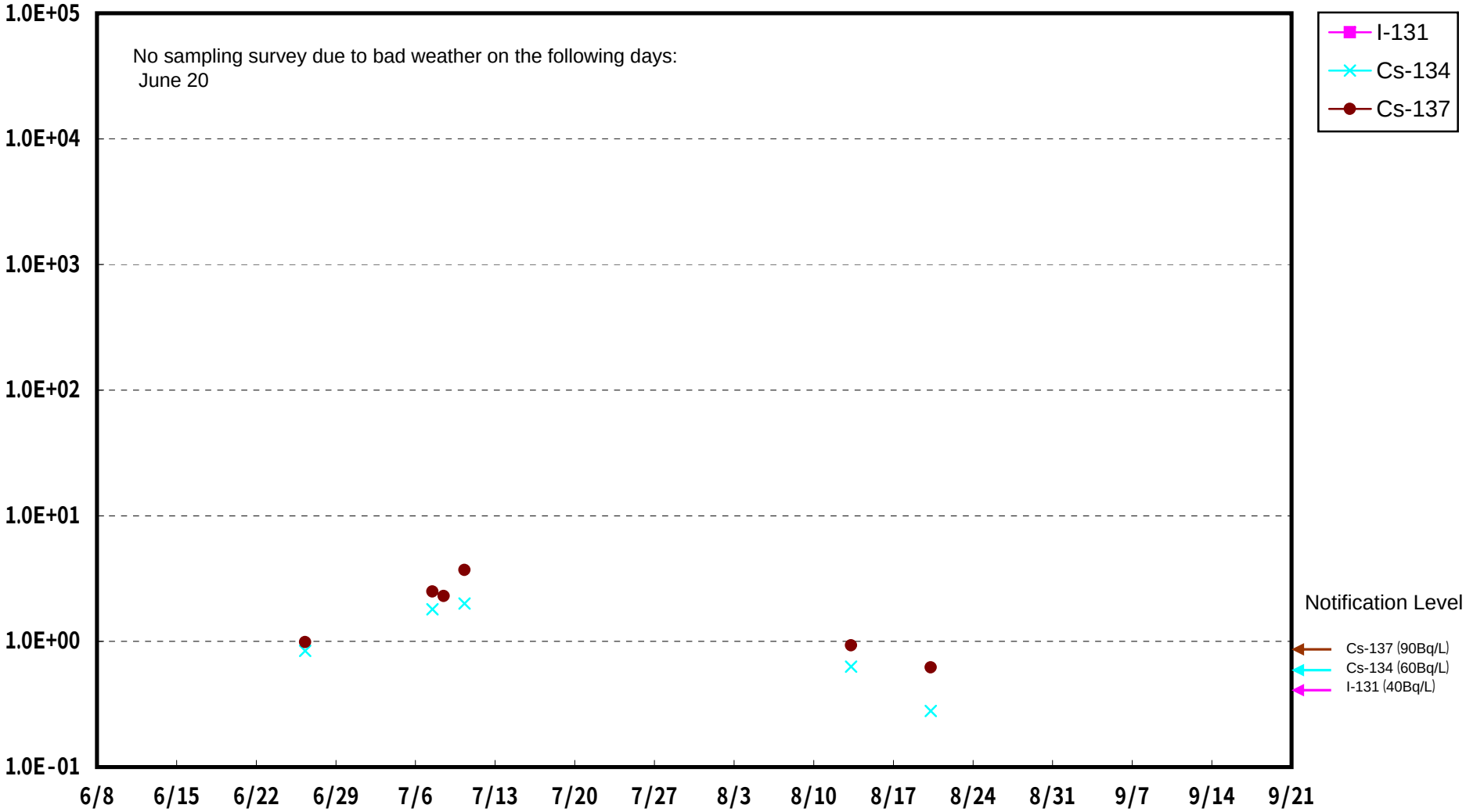
(Evaluation)

Although H-3 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 1F South Discharge Channel (Bq/L)



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