Reference

Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 1/2 >

(Data summarized on April 28)

Place of Sampling	Shallow Draft Quay at 1F*				Inside Unit 1-4 Water Intake Canal (North) at 1F (North side of the East Seawall Break)		Seawater Obtained at Unit 3 Screen in 1F		1F Unit 4 Screen (Outside the Silt Fence)		1F Unit 4 Screen (Inside the Silt Fence)		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	Apr 27, 2014 6:23 AM		N/A		Apr 27, 2014 6:55 AM		Apr 27, 2014 6:44 AM		Apr 27, 2014 6:45 AM		Apr 27, 2014 6:47 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)	
I-131 (Approx. 8 days)	ND	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (Approx. 2 years)	ND	-	-	-	4.8	0.08	20	0.33	22	0.37	15	0.25	60
Cs-137 (Approx. 30 years)	4.2	0.05	-	-	13	0.14	49	0.54	55	0.61	40	0.44	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. 3Bq/L, Cs-134: Approx.2Bq/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.
  * The sampling will be performed after opening and closing of the silt fence.

Reference

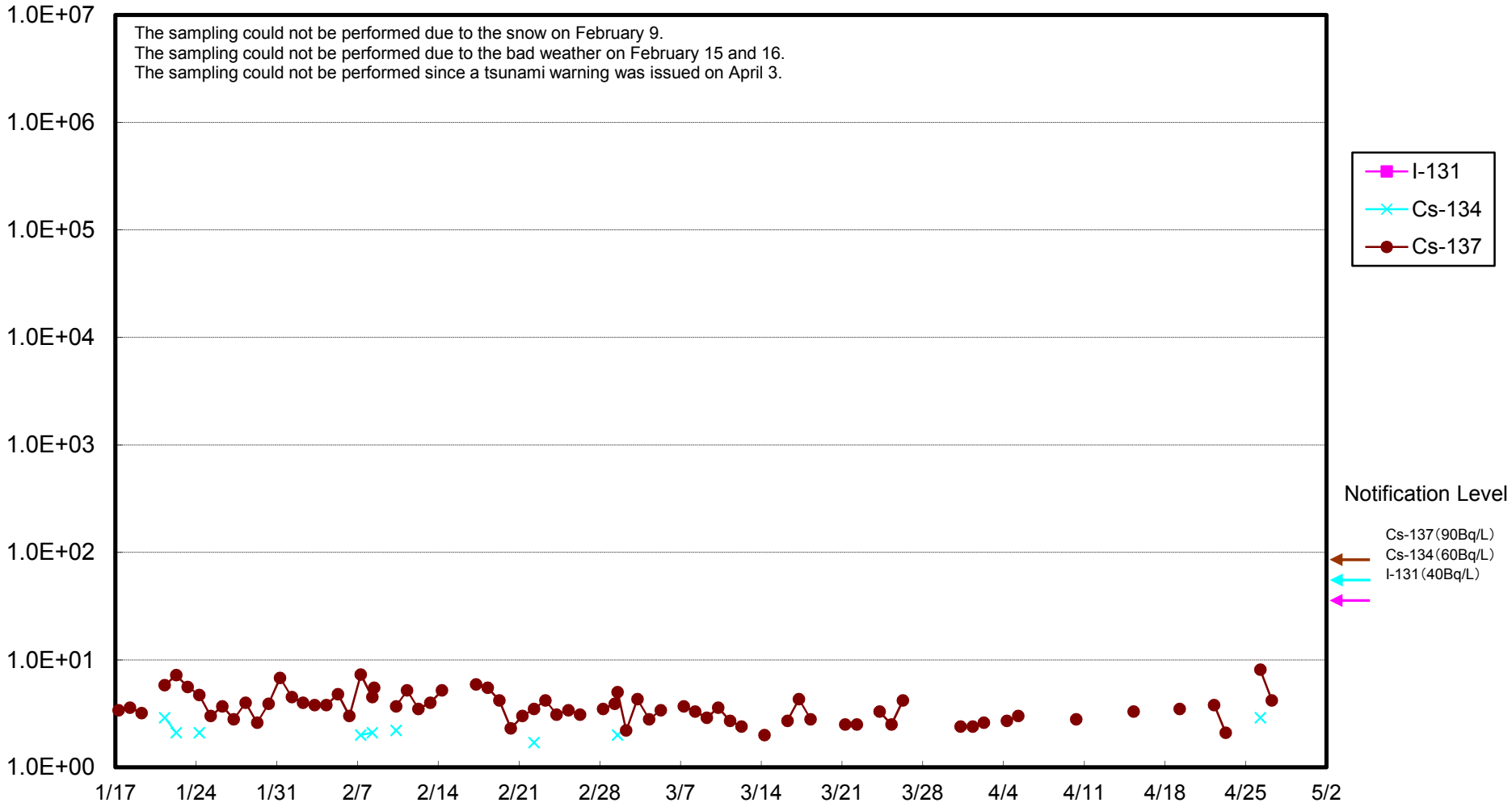
Radioactivity Density of the Seawater in the Port of Fukushima Daiichi NPS < 2/2 >

(Data summarized on April 28)

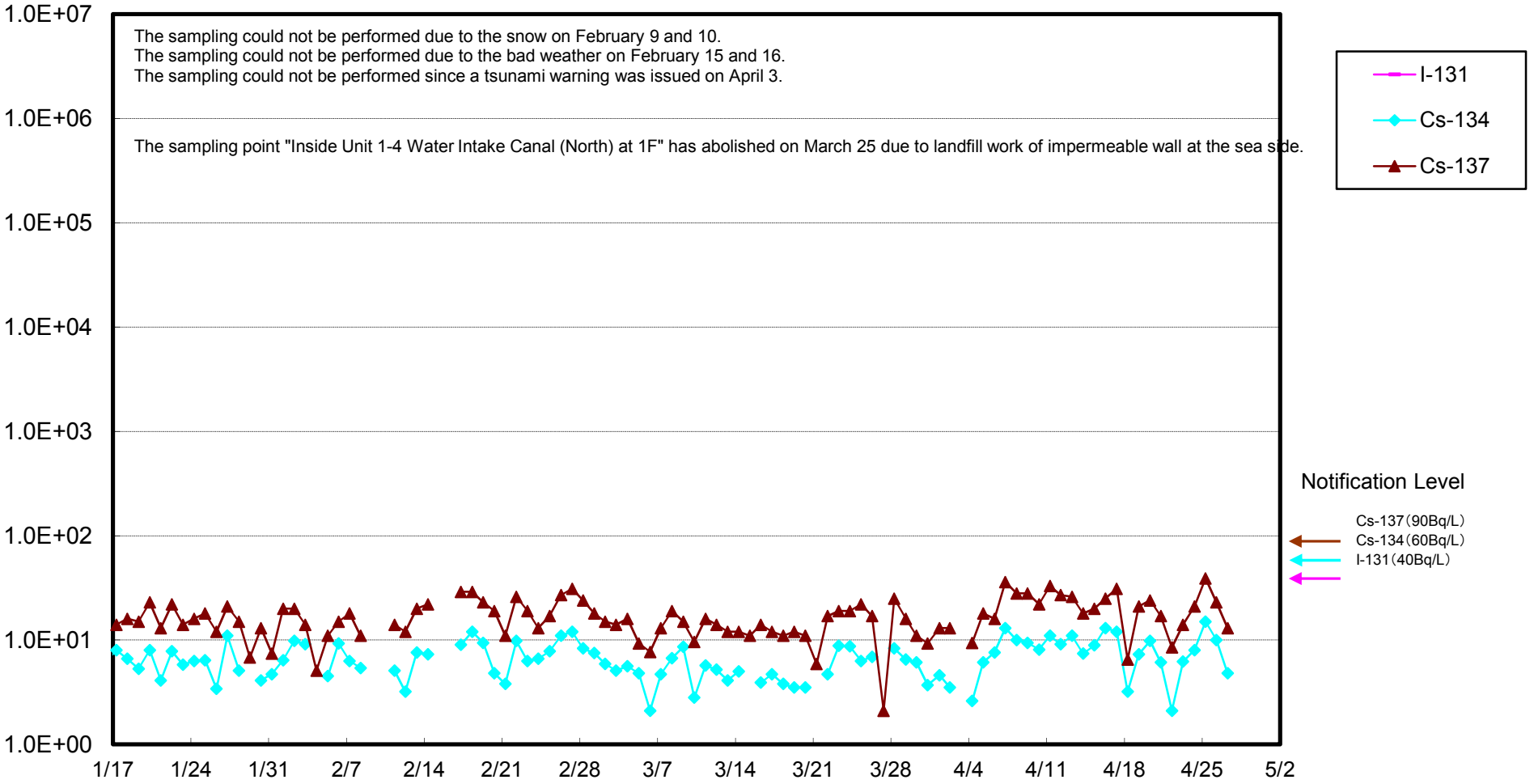
Place of Sampling	Inside Unit 1-4 Water Intake Canal (South) at 1F		Port Entrance of Fukushima Daiichi NPS*		In Front of Unit 6* Water Intake Canal at 1F								② Density Limit Specified by the Reactor Regulation (Bq/L) (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
Time of Sampling	Apr 27, 2014 6:50 AM		Apr 27, 2014 8:26 AM		N/A								
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)	
I-131 (Approx. 8 days)	ND	-	ND	-	-	-							40
Cs-134 (Approx. 2 years)	33	0.55	ND	-	-	-							60
Cs-137 (Approx. 30 years)	92	1.0	1.6	0.02	-	-							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. 3Bq/L, Cs-134: Approx.1Bq/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.
  * The sampling will be performed once a week (it will be performed on the day when opening and closing of the silt fence is conducted.).

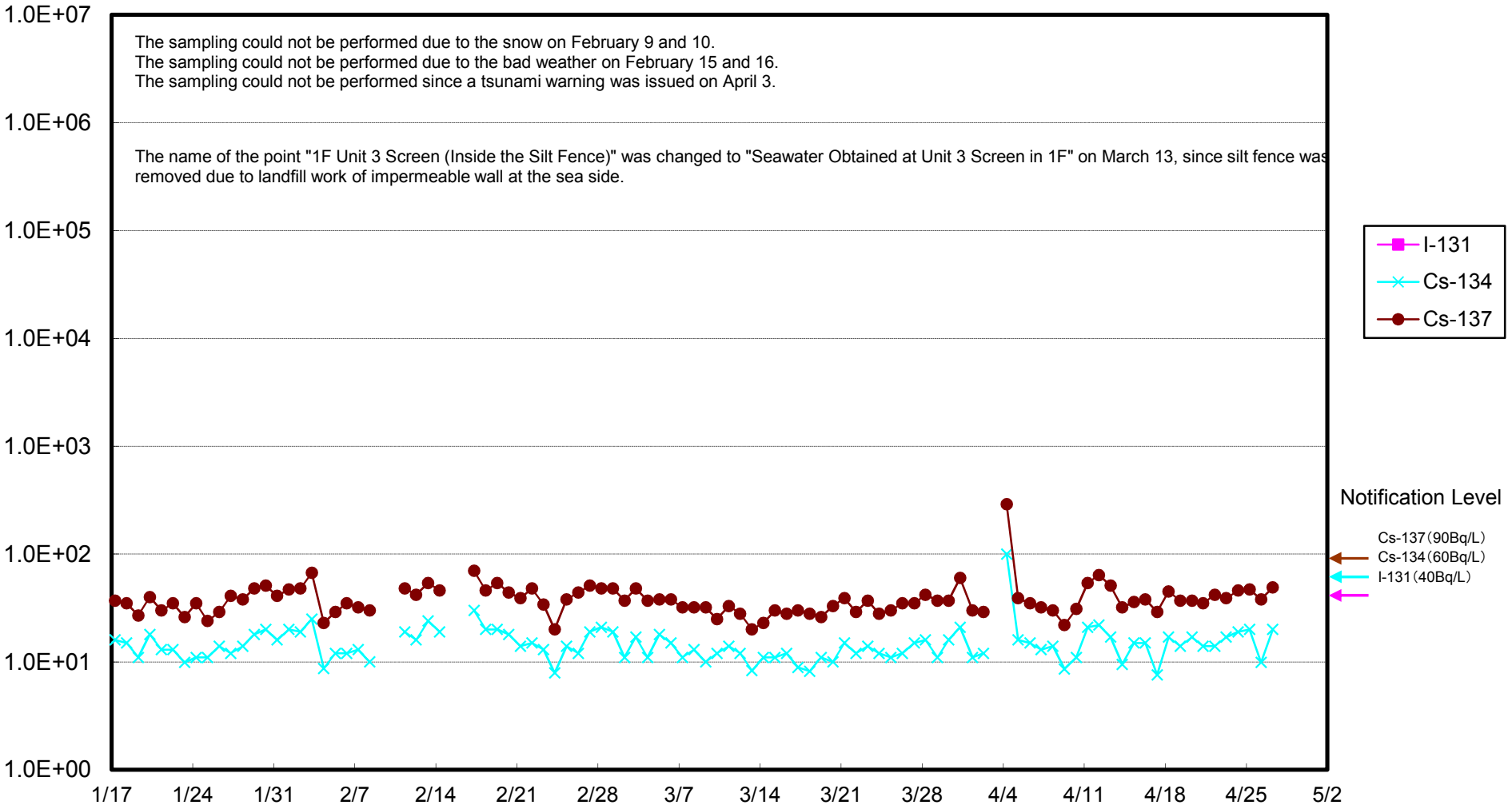
Radioactivity Density of the Seawater in Front of the Shallow Draft Quay at 1F (Bq/L)



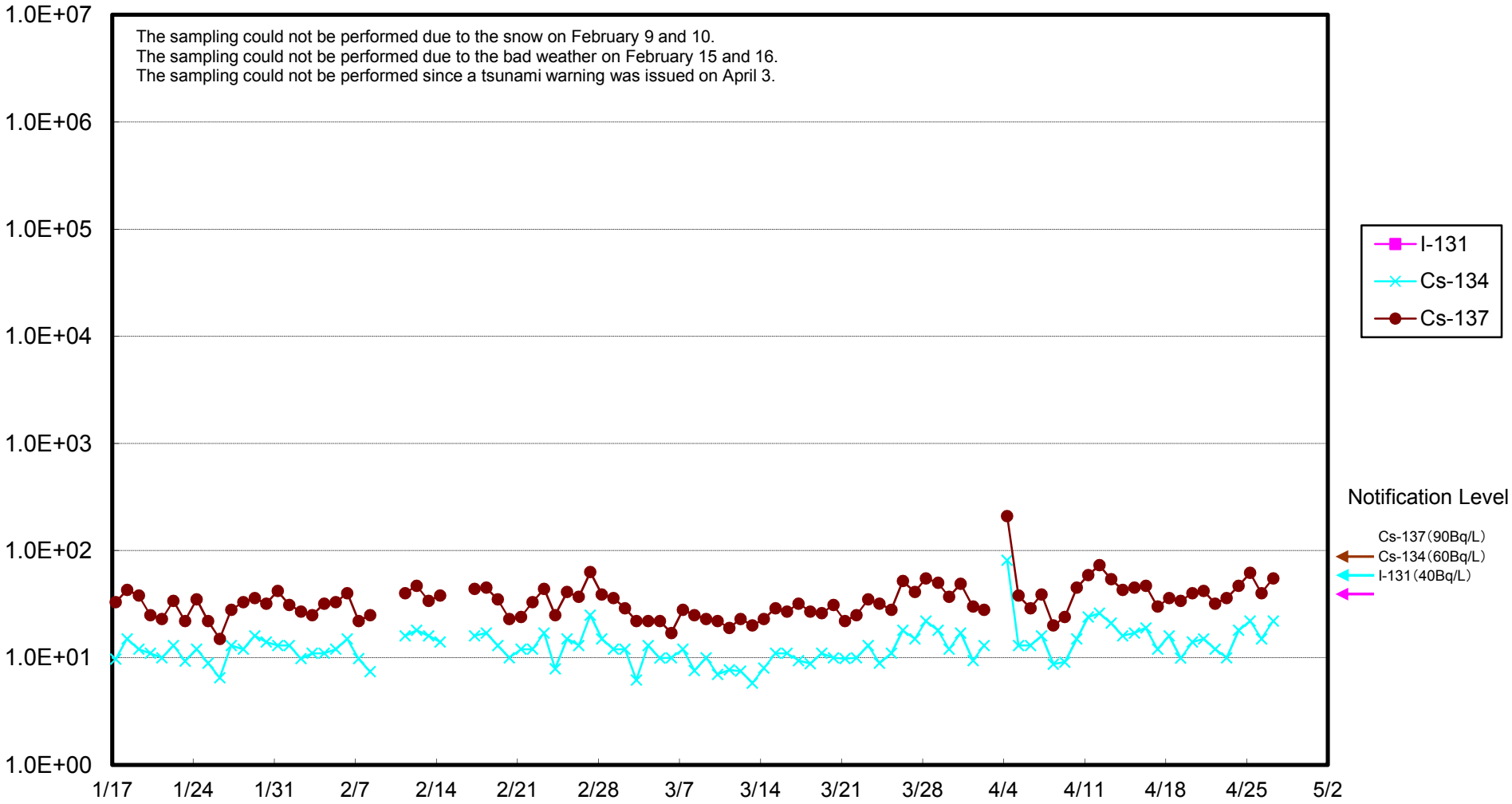
Radioactivity Density of the Seawater at the North of Unit 1-4 Water Intake (North of East Seawater Break of Fukushima Daiichi NPS (Bq/ L)



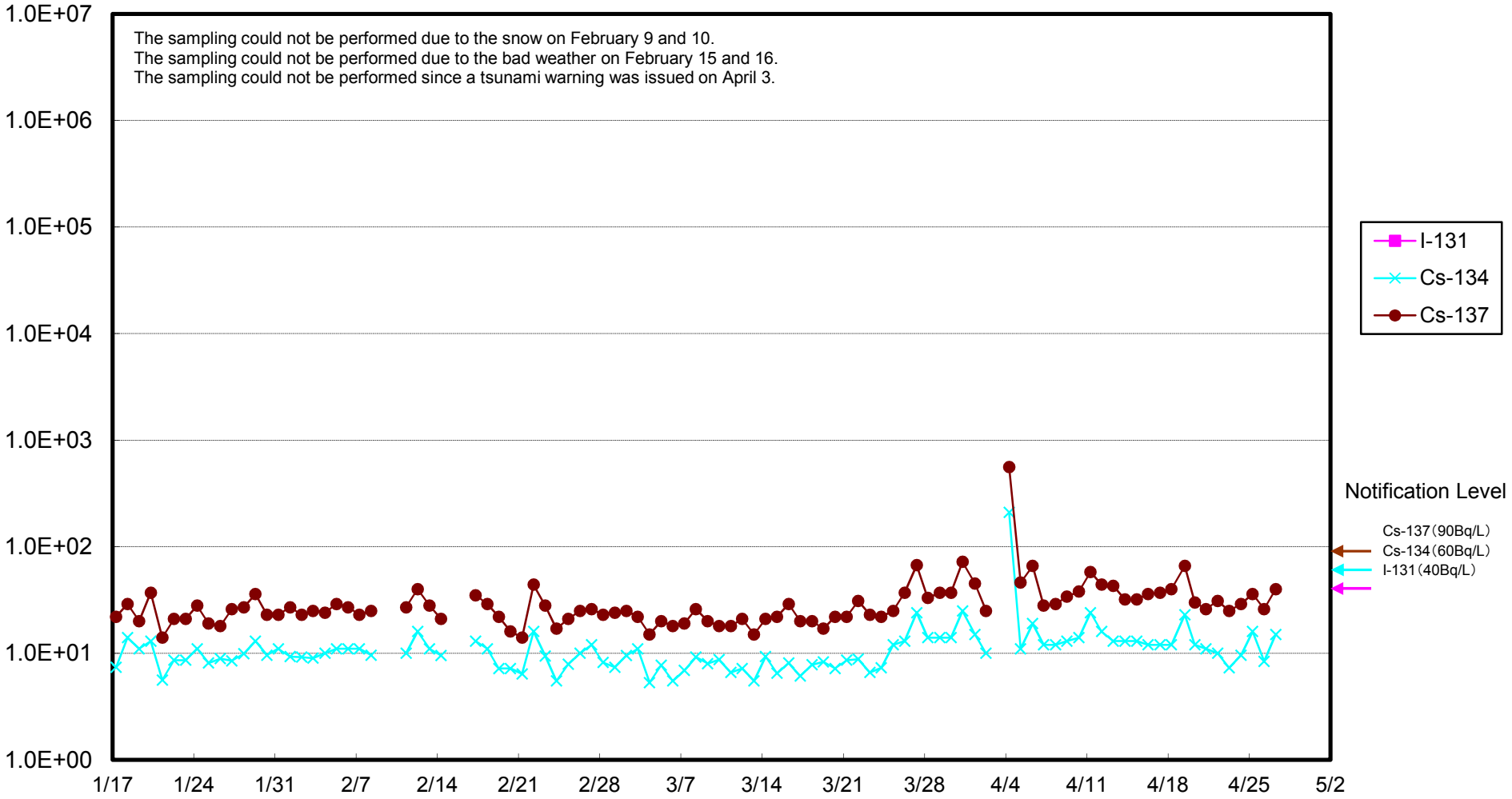
Radioactivity Density of the Seawater Obtained at Unit 3 Screen in Fukushima Daiichi NPS (Bq/L)



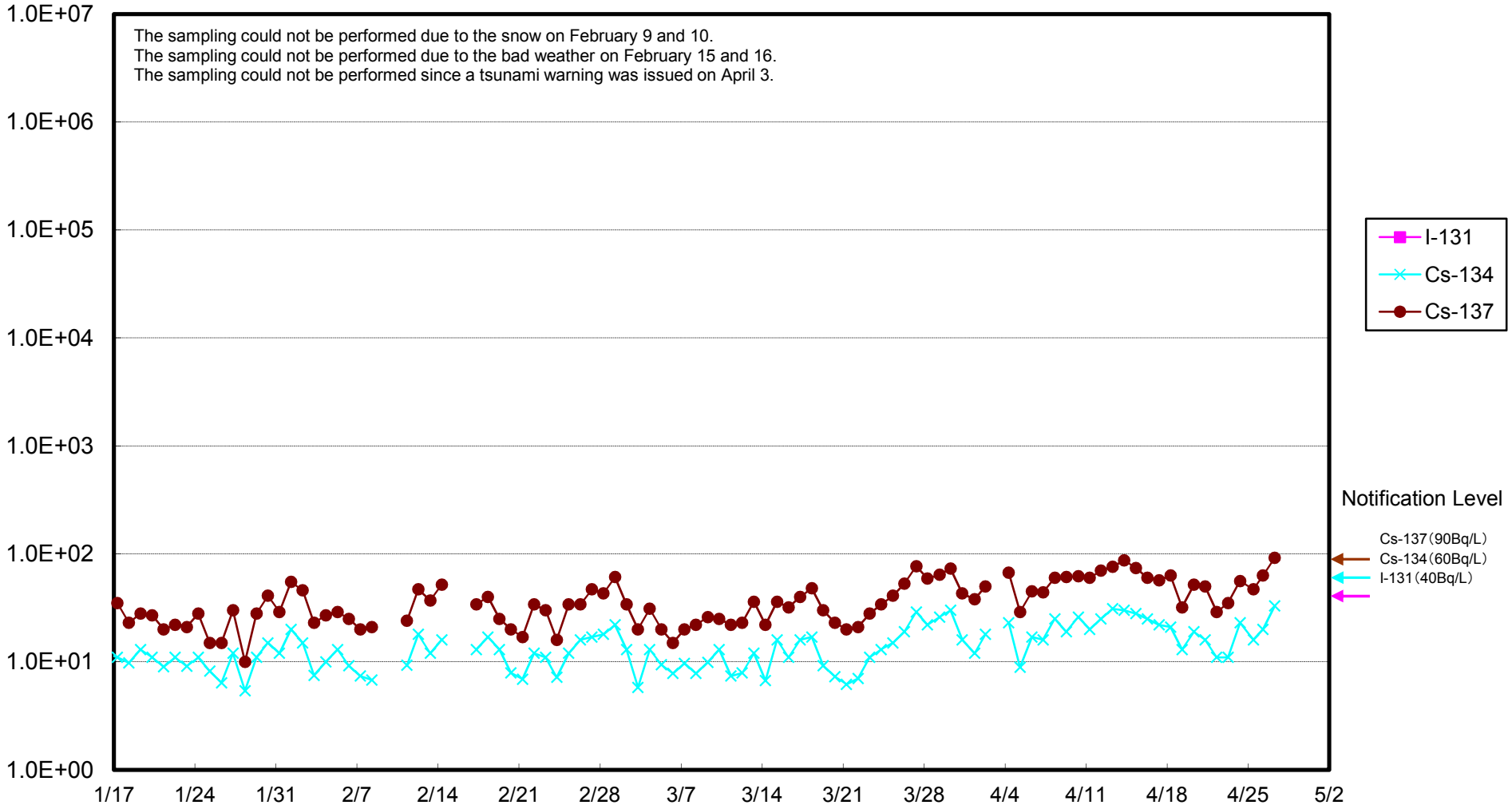
Radioactivity Density of the Seawater at Unit 4 Screen at 1F (Outside the Silt Fence) (Bq/L)



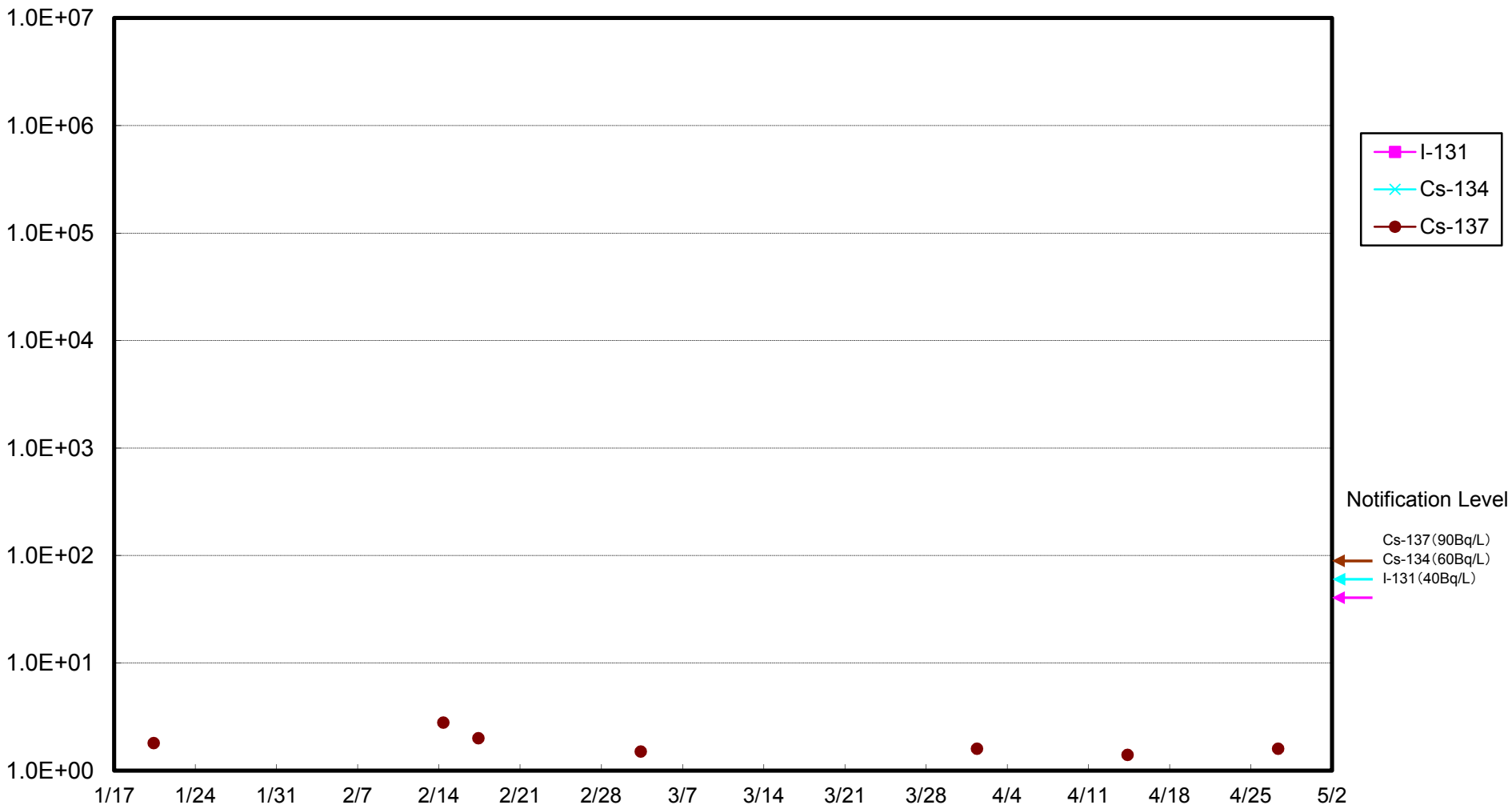
Radioactivity Density of the Seawater at Unit 4 Screen at 1F (Inside the Silt Fence) (Bq/L)



Radioactivity Density of the Seawater at the South of Unit 1-4 Water Intake of Fukushima Daiichi NPS (Bq/L)



Radioactivity Density of the Seawater at the Port Entrance of Fukushima Daiichi NPS (Bq/L)



Nuclides Analysis Result of Radioactive Materials in the Unit 1-4 Water Intake <1/2>

(Data summarized on April 28)

Place of Sampling	North of Unit 1-4 Water Intake at Fukushima Daiichi NPS		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	Dec 10, 2012		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	—	40
Cs-134 (Approx. 2 years)	6.5	0.11	60
Cs-137 (Approx. 30 years)	13	0.14	90
H-3 (approx. 12yrs)	100	0.00	60,000
Gross α	ND	—	—
Gross β	170	—	—
Sr-89 (Approx. 51 days)	ND	—	300
Sr-90 (Approx. 29 years)	420	14	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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 results of I-131, Cs-134, Cs-137 were announced on December 11. H-3, Gross α and Gross β were announced on June 19.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 1.4Bq/L, Gross α: Approx. 0.12Bq/L, Sr-89: Approx. 270Bq/L

(Evaluation)

H-3, Gross β, and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials in the Unit 1-4 Water Intake <2/2>

(Data summarized on April 28)

Place of Sampling	North of Unit 1-4 Water Intake at Fukushima Daiichi NPS		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	Jan 14, 2013		
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (①/②)	
I-131 (Approx. 8 days)	ND	—	40
Cs-134 (Approx. 2 years)	3.5	0.06	60
Cs-137 (Approx. 30 years)	5.7	0.06	90
H-3 (approx. 12yrs)	110	0.00	60,000
Gross α	ND	—	—
Gross β	170	—	—
Sr-89 (Approx. 51 days)	ND	—	300
Sr-90 (Approx. 29 years)	120	4.0	30

* The density specified by the Reactor Regulation is converted from Bq/cm^3 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 results of I-131, Cs-134, Cs-137 were announced on January 15. H-3, Gross α and Gross β were announced on June 19.
* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.
  I-131: Approx. 0.87Bq/L, Gross α: Approx. 0.10Bq/L, Sr-89: Approx. 94Bq/L

(Evaluation)

H-3, Gross β, and Sr-90 were detected supposedly as a result of this accident.